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Environment

Subject:

Response to USEPA Letter dated January 24, 2020  
Former Virginia-Carolina Chemical Corporation Sites

Date:

March 19, 2020

Dear Ms. Jones:

Contact:

Corrie Chwalek

This letter confirms receipt of the United States Environmental Protection Agency (USEPA) letter dated January 24, 2020 regarding the status of ExxonMobil Corporation's implementation of institutional controls (ICs) at the Former Virginia-Carolina Chemical Corporation (VCC) Sites located in Alabama, Georgia, Kentucky, North Carolina, South Carolina, and Tennessee. On behalf of ExxonMobil Environmental and Property Solutions Company (E&PS), Arcadis U.S., Inc. (Arcadis) has prepared this letter response.

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At the former VCC Sites, soil and/or sediment generally containing arsenic and/or lead above the site-specific action levels were removed and replaced with clean fill in accordance with enforcement documents documented in the January 24, 2020 letter from USEPA. Soil removal activities began as early as 2002 and the last Site is nearing completion (VCC Black Leaf). Additionally, multiple phases of soil/sediment removal have occurred at numerous sites based on planned work by others, including but not limited to, utility work, redevelopment of the property by the owner, site improvements, site access, or at the property owner's request. Several VCC sites identified groundwater concentrations above site-specific action levels prior to soil removal. Following soil removal, groundwater quality was expected to improve; therefore, post-removal groundwater monitoring was proposed for a period of 5 years or until a statistically significant data set could be gathered to evaluate trends in groundwater concentrations. Many of these sites have recently completed the 5 years of post-removal groundwater monitoring and groundwater data evaluation is currently underway.

ICs have not been pursued at many VCC sites where groundwater evaluations are pending since groundwater use may not require restrictions. To date, long-term groundwater monitoring has been closed out at 5 VCC sites post soil/sediment removal (VCC Rome, VCC Blacksburg, VCC Charlotte, VCC Memphis, and VCC Wando), thus negating the requirement for restrictions on groundwater use. Additionally, groundwater exceedances above the site-specific standards at select VCC sites is limited to only a few properties and not the entirety of the associated sites.

As you are aware, E&PS has had success implementing ICs in certain states, such as South Carolina, while there have been obstacles to implementation in other states. For example, in North Carolina, each property owner is required to sign a Voluntary Consent to Imposition of Land Use Restrictions (Consent Form) prior to signing the actual deed restriction. Ultimately, only three Consent Forms were returned; most property owners were unresponsive or never returned the signed Consent Form even after multiple follow-ups. Additionally, a Draft Declaration of Perpetual Land Use Restriction (DPLUR), along with the accompanying Notice Plat were submitted to the North Carolina Department of Environmental Quality (NCDEQ) for review and approval on August 17, 2015. A few minor comments were received on the Notice Plat; however, the DPLUR language has not been approved by NCDEQ. On March 2, 2017, NCDEQ, E&PS, and Arcadis met to discuss potential pathways to site closure and DPLURs. Risk-based closure was discussed as an option for some sites which would require the development of a Remedial Action Plan (RAP). NCDEQ indicated they prefer to review DPLUR language as part of a RAP submittal. Prior to RAP development, the group agreed to the collection of additional groundwater data so that a statistically significant data set could be gathered to evaluate trends in groundwater concentrations. The development of a RAP and/or DPLURs was deferred by NCDEQ until additional data was obtained and submitted. On February 3 and 4, 2020, the group met again to discuss potential pathways to site closure and DPLURs. NCDEQ also indicated a Remedial Investigation Report may be required for most sites. In addition, it was determined that a few sites may require groundwater delineation downgradient prior to development of these reports. Consequently, the obstacles and delays we have experienced in our efforts to secure ICs in NC, have not been due to any actions or lack of diligence on our part.

IC implementation in Georgia has likewise been delayed by a lengthy approval process and prevented by the various requirements of the Georgia statute and not due to any action or lack of diligence on our part. To implement the ICs, E&PS prepared a form of recordable restrictive agreement entitled Declaration of Environmental Covenant (DEC) pursuant to the Uniform Environmental Covenant Act (UECA) adopted in the State of Georgia. The DEC was submitted to Kevin Beswick, Senior Counsel at the USEPA, on November 23, 2010 for review and comment. USEPA responded on March 2, 2011 acknowledging receipt and that the DEC was sent to the Georgia Attorney General and to the Georgia Environmental Protection Division (GAEPD) for review and comment. USEPA responded in October 2011 that the Attorney General and the GAEPD declined to review the DEC, thus allowing USEPA to negotiate and approve the DEC. Thereafter, E&PS received and responded to the USEPA's comments and proposed revisions to the DEC, and USEPA approval of the DEC was received from Kevin Beswick of USEPA on January 23, 2012.

Pursuant to the requirements of the UECA in Georgia, numerous notifications are required prior to execution of deed restrictions, e.g., each municipality/county/local government where the property is

located, each property owner, each person in possession of the property (renter/tenant), each owner whose land abuts the property, each holder of an interest in the property (easement, lien holder, mortgage holder) and anyone else USEPA requires. E&PS has performed title searches and compiled information as to notifications required on a few of the VCC sites in Georgia. Due to the complexity of implementation of the ICs in Georgia, E&PS tried to navigate the UECA requirements at the VCC Atlanta Site first since it had the least number of property owners (only two) and started with the largest property which is owned by The Atlanta Board of Education, the governing body of the Atlanta Public Schools. Although at first The Atlanta Board of Education was engaged in review of the documents, they have become unresponsive to follow up requests for review and signature of the required language.

E&PS (Bruce Frink), Womble Bond Dickinson (Carolyn Wilson), and Arcadis (Corrie Chwalek and Kirstyn White) met with USEPA (Franklin Hill, Ken Mallary, and Randall Chaffins) on April 4, 2019 to discuss difficulty in obtaining ICs. E&PS requested USEPA's assistance with strategies to approach property owners to facilitate understanding of the deed restrictions and the benefits to the property owners. The challenge in meeting the numerous notification requirements of the UECA adopted in Georgia was also discussed. In furtherance of the foregoing:

- Franklin Hill agreed on behalf of the USEPA to meet with E&PS and representatives of the VCC Atlanta property owner to discuss the VCC program and implementing deed restrictions (Franklin Hill has since retired from USEPA prior to conducting this meeting).
- Franklin Hill agreed to ask USEPA attorneys whether UECA even applies to the VCC program sites in Georgia (again, Franklin Hill has since retired from USEPA and a response has not been received).
- Ken Mallary of USEPA agreed to investigate using Recorded Notices instead of deed restrictions signed by the property owner(s). Franklin Hill agreed to ask USEPA attorneys about using Recorded Notices instead of deed restrictions (both Franklin Hill and Ken Mallary have both since retired from USEPA).

E&PS has also encountered resistance and refusal from many property owners in response to our request to implement ICs on their properties. Some property owners have simply failed or refused to respond after multiple attempts while others outright refuse to sign the required documents. This information, as well as information requested by USEPA on the status of the ICs at the VCC Sites where deed restrictions are outstanding is summarized in Table 1. Table 1 lists the VCC sites in Georgia, North Carolina, South Carolina, Tennessee, Alabama, and Kentucky along with the site name, Tax Parcel Number/Identification, owner name, physical property address, property contact information where available, delineation information, comments on status, and next steps. Additionally, a figure for each site where all ICs have not been obtained is attached.

E&PS looks forward to meeting with USEPA in the near future to develop a road map for obtaining the remaining ICs on the VCC sites within USEPA Region 4. If you have any questions or comments, please let us know.

Sincerely,

Arcadis U.S., Inc.



Corrie Chwalek  
Program Manager

Copies:

Leigh Lattimore – USEPA  
Bruce Frink – E&PS

Enclosures:

**Table**

Details on Remaining VCC Deed Restrictions

**Figures**

Georgia Sites (G-1 Atlanta, G-2 Macon, G-3 Rome, and G-4A and G-4B Social Circle)

North Carolina Sites (NC-1 Charlotte, NC-2 Durham, NC-3 Wadesboro, NC-4 Wilmington - Almont, NC-5 Wilmington - Navassa, NC-6 Winston-Salem)

South Carolina Sites (SC-1 Atlantic, SC-2 Blacksburg, SC-3 Greenville, SC-4 Pon Pon, SC-5 Port of Baldwin Mines, SC-6 Swift, SC-7 Wando)

Tennessee Sites (T-1 Memphis)

Alabama Sites (A-1 Birmingham, A-2 Mobile, A-3 Wylam)

Kentucky Sites (K-1 Black Leaf)



Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name     | Tax Parcel Number/<br>Identification | Owner                                     | Physical Property Address   | Property Contact Information  | Delineation Information  | Comments on Status  | Next Steps  |
|---------------|--------------------------------------|---|---|---|--|---|---|
| GEORGIA SITES |                                      |   |   |   |  |   |   |
| Atlanta, GA   | (0/2 deed restrictions recorded)     |   |   |   | No groundwater sampling required.  |   |   |
|               | 15-210-02-012<br>15-210-02-014       | Atlanta Board of Education                | 1631 Dekalb Avenue a/k/a 1631 LaFrance St., Atlanta, GA<br>187 Wesley Avenue, Atlanta, GA | Victor Gaither<br>Energy & Environmental Services Manager<br>Atlanta Public Schools<br>1631 LaFrance Street, N.E<br>Atlanta, Georgia 30307<br>404-802-3767 Office<br>678-733-7958 Cell  | Soil removed in 2012/2013.<br>Arsenic and lead remain in soil under cap.                           | Draft deed restriction sent to Atlanta Board of Education in July 2014. Contact reviewed and engaged attorney. After multiple requests, no signature was received. Re-engaged with owner in Q1 2018. Sent request for review on 5/3/18 after contact requested review of areas in re-paving area. No response received to date. | Develop road map with USEPA to implement deed restrictions. |
|               | 15-210-03-172                        | Montez E. Austin, Sr.                     | 0 New Street  | Montez E. Austin, Sr.<br>2300 Holcomb Bridge Rd,<br>Ste 103-214, Roswell, GA 30076  | Soil removed in 2012/2013.<br>Arsenic and lead remain in soil under cap.                           | Awaiting APS restriction first due to notification requirements. Property has changed hands per recent title search.  | Develop road map with USEPA to implement deed restrictions. |
| Macon, GA     | (0/7 deed restrictions recorded)     |   |   |   |  | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  |   |
|               | R083-0124,<br>Q084-0227              | Mathis-Akins Concrete Block Company, Inc. | 192 Elm Street Macon, GA 31206<br>1410 Seventh Street Macon, GA 31206                     | Reg'd Agt/CEO: Donald C. Sheffield<br>305 Wesley Cir.<br>Macon, GA 31204<br>478-319-8557, cell: 478-319-8557<br>Prin. Office: PO Box 45 Macon, GA 31202   | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |
|               | R083-0126                            | Macon Concrete, LLC                       | 191 Lower Elm Street Macon, GA 31206  | PO Box 51 Macon, GA 31201<br>Ernest Mitchell (onsite contact) 478-757-7777<br>Mark Turner (owner) 912-660-7788  | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |
|               | R083-0129                            | Triangle Arts Macon                       | 206 Lower Elm Street Macon, GA 31206  | Ric Geyer<br>ric@787windsor.com   | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | New owner as of Jan 2019; On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |
|               |                                      | Georgia Power                             |   | Hollister A. Hill<br>Troutman Sanders LLP<br>Bank of America Plaza, Suite 5200<br>600 Peachtree Street, N.E.<br>Atlanta, Georgia 30308-2216<br>Telephone 404/885-3366<br>Cell Phone 678/478-2551<br>Facsimile 404/962-6587<br>hollister.hill@troutmansanders.com<br><br>Lea Millet<br>Southern Co<br>241 Ralph McGill Blvd<br>B10221<br>Atlanta, GA 30308<br>404-506-6235 (o)<br>205-288-0287 (m) | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | Email from GA Power received 5/30/18 asking about restrictions. On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |
|               | RR ROW                               | Norfolk Southern                          | RR ROW  | Tim Royer, CHMM<br>Georgia Power – Environmental Affairs<br>404-506-6246 office<br>404-290-8099 cell<br>tsroyer@southernco.com  | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |
|               | R083-0162                            | City of Macon                             | 0 Seventh Street Macon, GA 31206  | 700 Poplar Street Macon City Hall Macon, GA 31203<br>Bill Causey 478-621-6786   | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |
|               | R083-0163                            | Payman Corporation                        | 181 Lower Elm Street, Macon, GA 31206   | Reg'd Agt/CEO: Vic P. White<br>150 Roberson Mill Rd.<br>Milledgeville, GA 31061<br>748-746-7501<br>Prin. Office: PO Box 1545<br>Milledgeville, GA 31059   | Soil removed in 2015. Arsenic and lead remain in soil under cap and arsenic is in the groundwater. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions. |

Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name         | Tax Parcel Number/<br>Identification | Owner                         | Physical Property Address                    | Property Contact Information   | Delineation Information   | Comments on Status  | Next Steps   |
|-------------------|--------------------------------------|-------------------------------|--|--|---|---|--|
| Rome, GA          | (0/4 deed restrictions recorded)     |                               |  |  | Long-term groundwater monitoring termination approved in November 2017.           | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements. Long-term GW monitoring terminated Nov 2017; GW does not require restriction.  |  |
|                   | J15Y 027                             | Thomas Watkins                | 20 Douglas Street                            | Thomas Watkins<br>100 Gilbert Street<br>Hopkinsville, KY 42240<br>270-348-5790                               | Soil removed in 2011/2012. Arsenic and lead remain in soil under cap.             | Divorce affected ownership; title is now resolved. On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.   | Develop road map with USEPA to implement deed restrictions.      |
|                   | J15Y 021<br>J15Y 025                 | Southern Wholesale Co.        | Old Lindale Road (off)<br>14 Douglas Street  | John Howard<br>PO Box 851<br>Lafayette, GA 30728<br>706-638-8184 (home)<br>423-413-4442 (cell)               | Soil removed in 2011/2012. Arsenic and lead remain in soil under cap.             | Property owner requested comfort letter in Q1 2018 for pending sale; sale fell through but there has been more interest. On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.   | Develop road map with USEPA to implement deed restrictions.      |
|                   | J15Y 020<br>J15Y 026                 | Rome-Floyd County Dev't Auth. | 0 Old Lindale Road<br>0 Douglas Street (off) | Rome-Floyd County Development Authority<br>Attn: Andy Davis<br>PO Box 5513<br>Rome, GA 30162<br>706-291-8853 | Soil removed in 2011/2012. Arsenic and lead remain in soil under cap.             | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | J15Y 024                             | Kellogg USA, Inc.             | 452 Old Lindale Road                         | Kellogg Company<br>235 Porter Street<br>Battle Creek, MI 49016<br>269-961-3754 - Gordon Paulson attorney     | Soil removed in 2011/2012. Arsenic and lead remain in soil under cap.             | In early 2012 after Kellogg USA refused to allow access for remediation and demanded \$300k diminution in value and \$300k escrow, David Mantor communicated with Kevin Beswick of EPA. Per 3/1/12 emails, Kevin reviewed the data and confirmed that EPA would not require any removal and waived any restrictive covenants contemplated by AOC. | Confirm with USEPA that no additional document will be required. |
| Social Circle, GA | (0/16 deed restrictions recorded)    |                               |  |  | No groundwater sampling required.   | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  |  |
|                   | SC160011A00                          | John Lunsford                 | 640 E. Hightower Trail                       | John Lunsford<br>1245 Upchurch Rd<br>McDonough, GA 30252   | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160011B00                          | McNeil Investments, LLD       | 644 E. Hightower Trail                       | McNeil Investments LLC<br>1310 Summer Hollow Rd<br>Greensboro, GA 30642                                      | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC16002900                           | James Culpepper               | 669 E. Hightower Trail                       | James Culpepper<br>PO Box 1855<br>Monroe, GA 30655   | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160011C00                          | Stephanie Williams            | 670 E. Hightower Trail                       | Stephanie Williams<br>670 E Hightower Trail<br>Social Circle, GA 30025<br>770-464-9805                       | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160011D00                          | Shirley Farrar                | 690 E. Hightower Trail                       | Shirley Farrar<br>690 E Hightower Trail<br>Social Circle, GA 30025   | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160012A00                          | Sharon Jones                  | 712 E. Hightower Trail                       | Sharon Jones<br>PO Box 171<br>Social Circle, GA 30025  | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160012000                          | Gregory and Angela Robinson   | 724 E. Hightower Trail                       | Gregory and Angela Robinson<br>2460 Piney Grove Road<br>Loganville, GA 30052                                 | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160026000                          | Dwayne Gray and Melvin Gray   | 727 E. Hightower Trail                       | Dwayne and Melvin Gray<br>2900 Atkinson Road<br>Loganville, GA 30052<br>770-466-5258                         | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160014000                          | Donna Jackson                 | 726 E. Hightower Trail                       | Donna Jackson<br>726 E Hightower Trail<br>Social Circle, GA 30025<br>770-464-9593<br>770-715-7190 (cell)     | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | SC160016000                          | Lisa Reynolds Williams        | 728 E. Hightower Trail                       | Lisa Reynolds Williams<br>728 E Hightower Trail<br>Social Circle, GA 30025<br>770-464-0714                   | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |
|                   | NS16A004000                          | HA County, LLC                | 113 Dove Landing                             | HA County, LLC<br>PO Box 391<br>Monroe, GA 30655<br>770-267-2517   | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways. | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.      |

Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name                                      | Tax Parcel Number/<br>Identification               | Owner                               | Physical Property Address                   | Property Contact Information   | Delineation Information  | Comments on Status  | Next Steps   |
|--|--|-------------------------------------|---|--|--|---|--|
|  | NS16A005000  | HA County, LLC                      | 117 Dove Landing                            | HA County, LLC<br>PO Box 391<br>Monroe, GA 30655<br>770-267-2517   | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways.  | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.  |
|  | NS16A010000  | John and Carol Childs               | 137 Dove Landing                            | John and Carol Childs<br>238 East Jefferson St<br>Madison, GA 30650  | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways.  | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.  |
|  | NS16A011000  | The 142 Dove Landing Land Trust     | 142 Dove Landing                            | The 142 Dove Landing Edwards Fiduciary<br>Estoppel Land Trust<br>PO Box 1273<br>Covington, GA 30015  | Soil removed in 2008. Arsenic and lead remain in soil under buildings, driveways.  | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.  |
|  | NS16A046000  | Nancy Mock                          | 423 Dove Lane                               | Nancy Mock<br>65 Mystic Lane<br>Social Circle, GA 30025  | Soil removed in 2010. Arsenic and lead remain in soil under buildings, driveways.  | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.  |
|  | Part of C3000-00000-005-000 or C3000-00000-500-ODP | CSX Transportation, Inc.            | 2 properties                                | Kevin Boland, PG<br>CSX Transportation, Inc.<br>6737 Southpoint Drive South, J-180<br>Jacksonville, FL 32216<br>904-716-0098, 904-357-7927 - Fax                                 | Soil removed in 2008. Arsenic and lead remain in soil.   | On hold pending Atlanta test case. Working with attorney on language, title searches, and notification requirements.  | Develop road map with USEPA to implement deed restrictions.  |
| <b>NORTH CAROLINA SITES</b>                    |  |                                     |   |  |  |   |  |
| Charlotte, NC (2/7 deed restrictions recorded) |  |                                     |   |  | Groundwater sampling termination approved in November 2017.  | <b>NCDEQ prefers to review draft deed language as part of Remedial Action Plan (RAP) submittal. See additional detail in cover letter. RI Report may not be required for Charlotte.</b> |  |
|  | 12103207   | Ned Morris Henson & Judith Mulligan | 2135 S. Tryon St.<br>Charlotte, NC 28203    | Ned Henson<br>300 N. Dakota St.<br>Charlotte, NC 28216<br>phone: 704-589-1324  | Accessible soil removed in 2013/2014. Possible arsenic and lead in soil under building on back of property.  | Consent Form sent in 2014 and 2015. No response after multiple attempts to contact property owner.  | Prepare RAP and attempt to reengage property owner. If no response, develop roadmap with USEPA to implement deed restrictions. |
|  | 12103208   | Park Avenue Partners, LLC           | 2139 Rampart St.<br>Charlotte, NC 28203     | Scott Hensley<br>115 East Park Avenue, Suite B<br>Charlotte, NC 28203<br>e-mail: shensley@piedmontproperties.com<br>phone: 704-375-1164  | Accessible soil removed in 2013/2014. Possible arsenic and lead in soil under building.  | Consent Form sent in 2014; Property owner refused to sign Consent Form and Deed Restrictions  | Prepare RAP and develop roadmap with USEPA to implement deed restrictions.   |
|  | 12103209   | 300 Rampart Owner LLC               | 300 Rampart St.<br>Charlotte, NC 28203      | JMC Holdings LLC<br>Mike Mullaney<br>e-mail: mmullaney@jmc Holdingsllc.com<br>Chris Deppoliti<br>phone: 212-897-9769; cell 347-573-0657<br>email: cdeppoliti@jmc Holdingsllc.com | Accessible soil removed in 2013/2014. Arsenic and lead in soil under western portion of building and western half of property behind the building. | Property was sold in October 2019. The new property owner is pursuing Brownfields Agreement which may eliminate the need for a separate deed restriction.                               | Confirm with USEPA that land use restrictions recorded under Brownfields Agreement meets the requirement of the AOC.           |
|  | 12103212   | Virginia L. Hargrave                | 2132 Hawkins St.<br>Charlotte, NC 28203     | Jinny Hargrave<br>10012 Brass Eagle Lane<br>Charlotte, NC 28210<br>e-mail: carolinaclay@aol.com<br>phone: 704-752-7122   | Accessible soil removed in 2013/2014. Possible arsenic and lead in soil under building and asphalt.  | Consent Form signed and Plat drafted.   | Prepare RAP.   |
|  | 12103213   | AP 2116 Hawkins Street, LLC         | 2116 Hawkins Street,<br>Charlotte, NC 28203 | Asana - Welch Liles<br>1616 Camden Rd, Ste 210<br>Charlotte, NC 28203<br>e-mail: wliles@asanapartners.com<br>phone: 704-490-2528   | Accessible soil removed in 2018/2019. Arsenic and lead in soil under asphalt, soil cover, and trees/bushes.  | Removal Action complete in January 2019. Revised 2019 RACR submitted in April 2019. Need to engage property owner.  | Prepare RAP and send Consent Form to property owner.   |
|  | 12103220   | AP 307 W. Tremont, LLC              | 307 W. Tremont Ave.,<br>Charlotte, NC 28203 | Asana - Welch Liles<br>1616 Camden Rd, Ste 210<br>Charlotte, NC 28203<br>e-mail: wliles@asanapartners.com<br>phone: 704-490-2528   | Accessible soil removed in 2013/2014 and 2018. Arsenic and lead in soil under building.  | Brownfields Agreement established for property on Nov. 5, 2015, which includes Land Use Restrictions  | Confirm with USEPA that land use restrictions recorded under Brownfields Agreement meets the requirement of the AOC.           |
|  | 12103217   | P7/PSREG Tremont, LLC               | 327 W. Tremont Ave.,<br>Charlotte, NC 28203 | c/o Pollack Shores - Virginia Swint<br>e-mail: vswint@pollackshores.com<br>Palmer McArthur<br>e-mail: pmcarthur@pollackshores.com<br>phone: W - 404-214-5336; M - 704-578-9324   | Accessible soil removed in 2013/2014 and 2017. Arsenic and lead in soil under building and soil cover.   | Brownfields Agreement established for property on Nov. 5, 2015, which includes Land Use Restrictions  | Confirm with USEPA that land use restrictions recorded under Brownfields Agreement meets the requirement of the AOC.           |



Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name               | Tax Parcel Number/<br>Identification   | Owner                           | Physical Property Address              | Property Contact Information  | Delineation Information   | Comments on Status  | Next Steps  |
|-------------------------|--|---------------------------------|--|---|---|---|---|
| Durham, NC              | (0/2 deed restrictions recorded)   |                                 |  |   |   | Groundwater evaluation submitted in February 2020. NCDEQ prefers to review draft deed language as part of RAP submittal. See additional detail in cover letter.   |   |
|                         | 118815   | Lewis Family, LLC               | 2700 Angier Ave<br>Durham, NC 27703    | Scott Lewis<br>Adams Magnetic Products,<br>888 Larch Ave.,<br>Elmhurst, IL 60126<br>e-mail: slewis@adamsmagnetic.com<br>phone: 630-617-8880 | Accessible soil removed in 2012. Arsenic and lead remain in soil under cap and in adjacent groundwater.   | Consent Form signed by property owner. Plat survey and deed restriction language approved by Exxon and submitted to NCDEQ in August 2015. Received minor comments from NCDEQ on the plat; however, NCDEQ never provided comments or approval of deed restriction language. NCDEQ stated deed restriction language must be submitted as part of RAP. | Redevelop downgradient well and sample for lead. Prepare RI Report and RAP.   |
|                         | 118830   | KJMM, LLC                       | 2714 Angier Ave<br>Durham, NC 27703    | Drew Vermillion<br>3844 Somerset Dr.<br>Durham, NC 27707<br>e-mail: drewvermillion@msn.com<br>phone: 919-641-0941                           | Accessible soil removed in 2012. Arsenic and lead remain in one location under soil cover and in groundwater.   | Consent Form signed in 2014 and Plat drafted. Property owner name changed in Feb. 2016; new consent form likely required for updated property owner name.   | Redevelop downgradient well and sample for lead. Prepare RI Report and RAP.   |
| Gurley - Selma, NC      | (1/1 deed restriction recorded; however, may need on downgradient off-site properties) |                                 |  |   |   |   |   |
|                         |  |                                 |  |   |   | Deed restrictions on downgradient off-site properties to be determined in consultation with USEPA and NCDEQ following 2020 investigation of soil and gw. Completed soil sampling in Q1 2020 to evaluate the use of Enviroblend injections for groundwater treatment.  | USEPA ROD requires construction of a PRB to address groundwater impacts. Prepare revised approach for addressing impacted groundwater following field work in 2020.                     |
| Wadesboro, NC           | (0/3 deed restrictions recorded)   |                                 |  |   |   | Need for deed restrictions pending evaluation of groundwater and possible risk-based closure. Modeling or groundwater delineation is required.  |   |
|                         | 6484-00-36-4869.00   | Carl A. Weston                  | off Freebird Lane                      | Jeff Weston<br>9005 Parliament Drive<br>Burke, VA 22015<br>e-mail: jeff.weston@verizon.net<br>phone: 703-336-2662                           | Soil removed in 2002/2003. Metals (cadmium, copper, iron, manganese, nickel, and zinc) remain in groundwater.   | Soil above site-specific action levels removed from property. Waiting on groundwater evaluation to determine if GW restrictions are required. Anticipated in 2020.  | Per February 2020 meeting with NCDEQ, RI Report required followed by RAP.   |
|                         | 6484-00-25-9093.00   | Scarborough, Donald P. & Elaine | 255/ 373 Stanback Ferry Ice Plant Road | Don Scarborough<br>209 E. Wade St,<br>Wadesboro, NC 28170<br>e-mail: don@plankroadrealty.com<br>phone: 704-694-8519                         | Soil removed in 2002/2003. Metals (cadmium, copper, iron, manganese, nickel, and zinc) remain in groundwater.   | Soil above site-specific action levels removed from property. Waiting on groundwater evaluation to determine if GW restrictions are required. Anticipated in 2020.  | Per February 2020 meeting with NCDEQ, RI Report required followed by RAP.   |
|                         | 6484-00-26-8226.00   | Anson Wood Products, Inc.       | Stanback Ferry Ice Plant Road          | Chip Miller<br>PO Box 98<br>Mt. Gilead, NC 27306<br>e-mail: cmiller@jordanlumber.com<br>phone: 910-220-0898                                 | Metals (cadmium, copper, iron, manganese, nickel, and zinc) remain in groundwater.  | No soil exceedances on property. Waiting on groundwater evaluation to determine if GW restrictions are required. Anticipated in 2020.   | Per February 2020 meeting with NCDEQ, RI Report required followed by RAP.   |
| Wilmington (Almont), NC | (0/1 deed restriction recorded)  |                                 |  |   |   | NCDEQ prefers to review draft deed language as part of RAP submittal. See additional detail in cover letter.  |   |
|                         | R04000-003-006-000   | Agrium U.S., Inc.               | 2400 HWY 421 N<br>Wilmington, NC 28402 | Marvin Hilton<br>13131 Lake Fraser Dr. SE<br>Calgary, AB, Canada T2J 7E8<br>e-mail: marvin.hilton@nutrien.com<br>phone: 403-225-7308        | Accessible soil removed in 2012 and 2019. Additional soil removal needed. Arsenic and lead remain under soil cover and arsenic is in the groundwater. | Property owner refused to sign Consent Form in March 2013. Consent Form sent to property owner again in 2017 and 2018 with no response. Consent Form sent to new property owner contact in February 2019 with no response. Additional soil removal required. Deed restriction area may change.  | Fifth year of groundwater monitoring completed in February 2020. Prepare and submit groundwater evaluation. Perform additional soil removal. Send Consent Form to property owner again. |

Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name                           | Tax Parcel Number/<br>Identification | Owner   | Physical Property Address              | Property Contact Information   | Delineation Information   | Comments on Status  | Next Steps  |
|-------------------------------------|--------------------------------------|---|--|--|---|---|---|
| Wilmington (Navassa), NC            | (0/1 deed restriction recorded)      |   |  |  |   |   |   |
|                                     | 3000006                              | Edwards A M TR & VA Creech Jr. Est.                 | off of Quality Drive, Navassa, NC 28   | The Clark Group<br>Paul Clark<br>4918 Wrightsville Ave.<br>Wilmington, NC 28403<br>e-mail: paul.clarkgroup@gmail.com<br>phone - 910-392-5555                               | Soil removed in 2010/2011. Arsenic and lead remain in soil under cap and in groundwater.                        | On July 26, 2013, the Respondents attended a meeting in NCDEQ's office in Raleigh, NN to discuss administrative approaches for obtaining a Declaration of Perpetual Land Use Restrictions for the site. An outcome of a July 26, 2013 meeting identified three potential administrative options to place land use restrictions on the site. These options are documented in September 23, 2013 correspondence from NCDEQ. On October 10, 2013, NCDEQ, USEPA, and Respondents held a conference call and reached an agreement regarding the implementation of Administrative Controls. As documented in a December 9, 2013 correspondence from Arcadis, all entities agreed that Respondents would continue to implement the ongoing monitoring over a 5 year monitoring period in accordance with the 2005 AOC as detailed in the August 3, 2012 Post-Removal Site Control Plan. During this period there is no need to enter into land use restrictions. If a future use of the site is identified or at the end of the 5 year monitoring period, the options available for implementing land use restrictions at the site will be reviewed again and a path forward decision will be made at that time. | Identify path forward when future use is identified.  |
| Winston-Salem, NC                   | (0/3 deed restrictions recorded)     |   |  |  |   |   |   |
|                                     | 6836-59-0413.00                      | OmniSource Southeast, LLC (formerly Atlantic Scrap) | 3411 N. Glenn Ave, Winston-Salem, NC   | Steve Earp<br>e-mail: Steve.Earp@smithmoorelaw.com   | Soil removed in 2010. Lead is in groundwater.   | NCDEQ prefers to review draft deed language as part of RAP submittal. See additional detail in cover letter.  | Fifth year of groundwater monitoring completed in September 2019. Prepare and submit groundwater evaluation in 2020. Redevelop WS-MW-06 and resample. |
|                                     | 6836-58-8215.00                      | Norfolk Southern ROW                                | 3000 N. Liberty St, Winston-Salem, NC  | Scott Pittenger<br>e-mail: scott.pittenger@nscorp.com<br>Pauline Foreman<br>e-mail: pauline.foreman@nscorp.com<br>phone: 757-823-5434<br>Norfolk Southern Corp.; Law Dept. | Accessible soil removed in 2010. Arsenic and lead remain in soil under cap and lead is in adjacent groundwater. | Waiting on groundwater evaluation to determine if GW restriction is needed.   | Evaluate extent of impacted soils on Norfolk Sourthern ROW property to determine if soil restrictions are required.                                   |
|                                     | NA                                   | NC DOT ROW  | ROW - Highway 52, Winston-Salem, NC    |  | Accessible soil removed in 2010. Arsenic and lead remain in soil under cap and lead is in adjacent groundwater. | In February 2020, NCDEQ indicated that NCDOT will not give consent for deed restrictions due to past experience.  | Develop roadmap with USEPA to implement deed restrictions.  |
| SOUTH CAROLINA SITES                |                                      |   |  |  |   |   |   |
| Atlantic Phosphate (Charleston, SC) | (0/1 deed restriction recorded)      |   |  |  |   |   |   |
|                                     | 4660000012                           | South Carolina Electric & Gas Co                    | 2200 Hagood Road, Charleston, SC 29405 | Tim Lucius<br>e-mail: tlucius@scana.com<br>phone: 843-576-8204   | Soil removed in 2010/2011. Arsenic and lead remain in soil under cap and in groundwater.                        | Working with property owner on deed restriction language as far back as 2013. Additional work as requested by owner completed. Owner re-engaged for deed restriction languague in April 2019. Attorney review required.   | Modify deed restriction language per request of property owner, provide for review, and then record.  |
| Blacksburg, SC                      | (1/5 deed restrictions recorded)     |   |  |  | Long-term groundwater monitoring termination approved in November 2019.   | Town of Blacksburg deed obtained; long-term GW monitoring terminated in 2019. GW no longer needs to be restricted.  |   |
|                                     | 153-00-00-038.001                    | Barry Bailey  | 606 N Shelby Street, Blacksburg, SC    | Barry Bailey<br>PO Box 63<br>Blacksburg, SC 29702<br>864-839-6023  | Soil removed in 2010/2011. Arsenic and lead remain in soil under cap.   | Need deed restriction to be consistent with language used for conservation easement. Can re-engage now that restriction is limited to soil.   | Develop roadmap with USEPA to implement deed restrictions.  |
|                                     | 173-00-00-003.000                    | Doris Bright  | 153 Old Shelby Street                  | Doris Bright<br>702 Union Street<br>Gaffney, SC 29340  | Soil removed in 2010/2011. Arsenic and lead remain in soil under cap.   | Need deed restriction to be consistent with language used for conservation easement. Can re-engage now that restriction is limited to soil.   | Develop roadmap with USEPA to implement deed restrictions.  |
|                                     | 173-00-00-004.000                    | Lawrence Bright                                     | 117 Old Shelby Street                  | Lawrence Bright<br>702 Union Street<br>Gaffney, SC 29340   | Soil removed in 2010/2011. Arsenic and lead remain in soil under cap.   | Need deed restriction to be consistent with language used for conservation easement. Can re-engage now that restriction is limited to soil.   | Develop roadmap with USEPA to implement deed restrictions.  |
|                                     | RR ROW                               | Norfolk Southern Railroad ROE00141                  | RR ROW                                 | Ms. Pauline Foreman<br>Law Department, Box 241<br>Norfolk Southern Corporation<br>Three Commercial Place<br>Norfolk, Virginia 23510<br>757-823-5434                        | Soil removed in 2010/2011. Arsenic and lead remain in soil under cap.   | Need deed restriction to be consistent with language used for conservation easement. Can re-engage now that restriction is limited to soil.   | Develop roadmap with USEPA to implement deed restrictions.  |
|                                     |                                      |   |  |  |   |   |   |

Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name                                 | Tax Parcel Number/<br>Identification           | Owner                        | Physical Property Address               | Property Contact Information   | Delineation Information   | Comments on Status   | Next Steps   |
|---|--|------------------------------|---|--|---|--|--|
| Greenville, SC                            | (1/3 deed restrictions recorded)               |                              |   |  | No groundwater sampling required.   |  |  |
|   | 225000100100                                   | Solid Ground Ministries      | 1805 Anderson Road, Greenville, SC      | Pastor Thomas Jones<br>501 South Artillery Court<br>Piedmont, SC 29673<br>phone: 864-233-3310                                      | Soil removal completed between 2012 and 2014. Demarcation liner installed where impacted soils remain below depth of historical excavation. | Initial request was made following a meeting on 11/5/08. Have called, texted, mailed owner several times over the years. Most recent chain of communications includes the following: Sent revised covenants to Solid Ground on 3/28/16 for Pastor Jones to review with attorney; confirmed receipt of covenants 3/30/16. Latest communication via phone on 6/2/16; owner concerned about future development restrictions. Explained covenant allows XOM to assist with any issues similar to Greenville County property. Owner indicated he will get back next week. Sent email to Pastor Jones on 6/20/16. Sent another email and left VM on 7/26/16. Sent another email on 8/22/16. Sent email & text on 6/7/17. | Develop roadmap with USEPA to implement deed restrictions.   |
|   | 225000100106                                   | D&D Properties of Greenville | 1811 Anderson Road, Greenville, SC      | Connie Davis<br>phone: 864-220-0490<br>128 Sydney Ln<br>Piedmont, SC 29673<br>e-mail: cdavis@daviserectinginc.com                  | Soil removal completed between 2012 and 2014. Demarcation liner installed where impacted soils remain below depth of historical excavation. | Initial request made following meeting with Arcadis/SCDHEC 11/5/08. Calls have been made since that time but have not received return call. Property ownership has changed a few times since 2008 from the individual (Connie Davis) to his company identities (e.g., David Erecting, D&D).  | Develop roadmap with USEPA to implement deed restrictions.   |
| Pon Pon, SC                               | (8/9 deed restrictions recorded)               |                              |   |  |   |  |  |
|   | 0470000039                                     | Charles Rutherford           | 9434 Savannah Hwy, Adams Run, SC        | Charles Rutherford & Linda Rutherford<br>P.O. Box 337<br>Jacksonboro, SC 29452   | Soil removal completed in 2010. Arsenic and lead remain in soil under cap and arsenic in groundwater.                                       | Owner refused to sign deed restrictions. USEPA (Ken Mallary and Kevin Beswick) agreed that ExxonMobil put forth due diligence effort. USEPA indicated only path forward would be to request a court order to require the property owner to sign the covenant, and USEPA opted not to pursue per email dated Oct 5, 2017.   | Develop roadmap with USEPA to implement deed restrictions if restriction required - see note in previous column. |
| Port of Baldwin Mines<br>(Port Royal, SC) | (31/38 deed restrictions recorded)             |                              |   |  |   |  |  |
|   | R110 009 00A 0037 0000                         | Anne Hunter                  | 67 Shipwright Circle, Port Royal, SC    | 1929 Little River Road, Flat Rock, NC 28731  | Soil removal for arsenic and lead needed. Arsenic in groundwater.   | Site access not previously obtained (letters sent 3/25/11, 10/3/11, 8/11/16). Soil removal access recently obtained; plan and implement soil removal. Deed restrcitions will be implemented following completion of soil removal.  | Deed restrictions to be implemented following soil removal activities.   |
|   | R110 009 00A 0070 0000                         | John Smith II                | 9 Mariners Court, Port Royal, SC        | 9 Mariners Court, Port Royal, SC   | Soil removal completed in 2008. Arsenic and lead remain in soil under cap and arsenic in groundwater.                                       | Sent letters 3/25/11, 10/3/11, 8/11/16. No response received to date.  | Develop roadmap with USEPA to implement deed restrictions.   |
|   | R110 009 00A 0020 0000                         | James Crower                 | 33 Shipwright Circle, Port Royal, SC    | 33 Shipwright Circle, Port Royal, SC   | Soil removal completed in 2008. Arsenic and lead remain in soil under building and arsenic in groundwater.                                  | Sent letters 3/25/11, 10/3/11, 8/11/16. No response received to date.  | Develop roadmap with USEPA to implement deed restrictions.   |
|   | R110 009 00A 0032 0000                         | Marny VonHarten              | 57 Shipwright Circle, Port Royal, SC    | 57 Shipwright Circle, Port Royal, SC   | Soil removal completed in 2008. Arsenic and lead remain in soil under cap and arsenic in groundwater.                                       | Sent letters 3/25/11, 10/3/11, 8/11/16. No response received to date.  | Develop roadmap with USEPA to implement deed restrictions.   |
|   | NA   | DOT                          | NA                                      | SCDOT<br>13 Munch Drive<br>Beaufort, SC 29906  | Soil removal completed in 2008. Arsenic and lead remain in soil under cap and arsenic in groundwater.                                       | No formal request made to date.  | Develop roadmap with USEPA to implement deed restrictions.   |
|   | R110 009 000 026C 0000, R110 009 000 026B 0000 | Riverwind                    | Riverwind Drive, Port Royal, SC         | Riverwind Homeowners Association Inc<br>Attn: Palmetto Shores Management<br>1551 Sea Island Parkway<br>St. Helena Island, SC 29920 | Soil removal completed in 2008. Arsenic and lead remain in soil under cap and arsenic in groundwater.                                       | No formal request made to date although have deed restrictions for many properties through Price Protection Program.   | Develop roadmap with USEPA to implement deed restrictions.   |
|   | R110 009 000 026A 0000                         | River Club                   | 1231 Ladys Island Drive, Port Royal, SC | River Bluff Limited P/S<br>1010 East North St, Suite A<br>Greenville, SC 29601   | Soil removal completed in 2008. Arsenic and lead remain in soil under cap and arsenic in groundwater.                                       | Sent deed restriction template on 2/21/18 to Property Manager, Mary Beth Kirkland. Called her on 8/2/18 and she asked that I send another copy. Sent out 8/2/18. No response received to date.   | Develop roadmap with USEPA to implement deed restrictions.   |
| Stono Phosphate<br>(Charleston, SC)       | (1/1 deed restriction recorded)                |                              |   |  |   |  |  |

Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

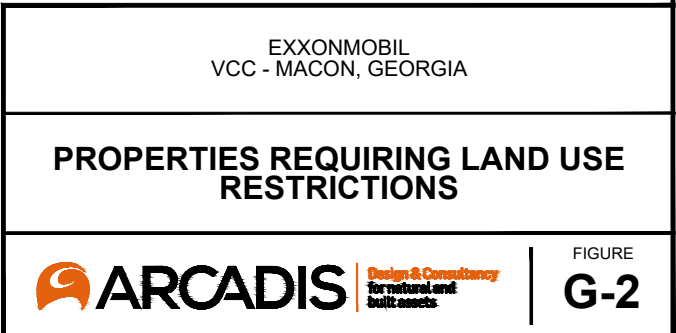
| Site Name                                 | Tax Parcel Number/<br>Identification  | Owner  | Physical Property Address   | Property Contact Information  | Delineation Information   | Comments on Status   | Next Steps   |
|---|---|--|---|---|---|--|--|
| Swift Agri-Chem<br>(North Charleston, SC) | (0/2 deed restriction recorded)   |  |   |   |   |  |  |
|   | 4690000010,<br>4690000011,<br>4690000013,<br>4690000015,<br>4690000019,<br>4690000021 | Charleston County Park<br>and Recreation<br>Commission (CCPRC) | 2700, 2720, 2730, 2745, 2750, and<br>2769 Speissegger Dr, North<br>Charleston, SC 29405 | Patricia Newshutz<br>861 Riverland Drive<br>Charleston, SC 29412<br>e-mail: pneshutz@CCPRC.com<br>phone: 843-762-8112   | Soil removed in 2011/2012.<br>Arsenic and lead remain in soil<br>under cap and in groundwater.      | Owner entered into a Voluntary Cleanup (VC) Contract with SCDHEC on March 2, 2015. It was determined in May 2019 that despite properties being entered into the VC program with contracts, ICs had yet to be placed on the property. It was indicated that the ICs should outline proper soil removal, minimum clean soil cover of 2 ft, maintain barriers from VCC work, and maintenance of a Site Management Plan.                   | Develop roadmap with USEPA to implement deed restrictions.                 |
|   | 4690000009  | Palmetto Lowcountry  | 2777 Speissegger Dr., North<br>Charleston, SC 29405                                     | Palmetto Lowcountry Behavioral Health<br>2777 Speissegger Drive<br>North Charleston, SC 29405<br>phone: 843-747-5830  | Soil removed in 2011/2012.<br>Arsenic and lead remain in soil<br>under cap.                         | Draft language submitted to owner on 6/4/14. No response received to date.   | Develop roadmap with USEPA to implement deed restrictions.                 |
| Wando<br>(Charleston, SC)                 | (1/3 deed restrictions recorded)  |  |   |   | Groundwater sampling terminated in 2013.  |  |  |
|   | 4690000017  | Osprey View LLC  | 2376 Baker Hospital Blvd, North<br>Charleston, SC                                       | Charlie Masencup<br>e-mail: charliemasencup@yahoo.com<br>phone: 843-408-1400<br>Horne Realty, LLC<br>1201 S Magnolia Street<br>Summerville, SC 29483  | Soil removal completed in 2012.<br>Arsenic and lead remain in soil<br>under cap.                    | Owner entered into a VC Contract with SCDHEC in 2018 (VCC 18-6536-NRP). It was determined in May 2019 that despite properties being entered into the VC program with contracts, ICs had yet to be placed on the property. It was indicated that the ICs should outline proper soil removal, methane engineering control, minimum clean soil cover of 2 ft, maintain barriers from VCC work, and maintenance of a Site Management Plan. | Develop roadmap with USEPA to implement deed restrictions.                 |
|   | 4690000020,<br>4690000002   | Charleston County Parks<br>and Recreation<br>Commission        | 2381 Baker Hospital Blvd, North<br>Charleston, SC                                       | Patricia Newshutz<br>861 Riverland Drive<br>Charleston, SC 29412<br>e-mail: pneshutz@CCPRC.com<br>phone: 843-762-8112   | Soil removal completed in 2012.<br>Arsenic and lead remain in soil<br>under cap.                    | Owner entered into a VC Contract with SCDHEC in 2015 (VCC 14-6219-NRP). It was determined in May 2019 that despite properties being entered into the VC program with contracts, ICs had yet to be placed on the properties. It was indicated that the ICs should outline proper soil removal, methane engineering control, minimum clean soil cover of 2 ft, maintain barriers from VCC work, maintenance of a Site Management Plan.   | Develop roadmap with USEPA to implement deed restrictions.                 |
| TENNESSEE SITES                           |   |  |   |   |   |  |  |
| Memphis, TN                               | (0/1 deed restriction recorded)   |  |   |   | Groundwater sampling termination approved in April 2018.  |  |  |
|   | 033053-00004, 033053-00005, 033053-00006  | The ACEE Company   | 152, 174, 200 Collins Street<br>Memphis, Tennessee                                      | Shellie Moses - Property Manager<br>Colliers International<br>6363 Poplar Ave, Ste 400<br>Memphis, TN 38119<br>e-mail: shellie.moses@colliers.com<br>phone: 901-312-5752; (m) 901-508-6909  | Soil removal completed in 2014/2015. Arsenic and lead remain in soil under cap.                     | Deed Restriction language approved by USEPA and state on August 9, 2019. Need property owner's approval.   | Finalize the Deed Restriction/ Environmental Covenant with property owner. |
| ALABAMA SITES                             |   |  |   |   |   |  |  |
| Birmingham, AL                            | (0/3 deed restriction recorded)   |  |   |   |   |  |  |
|   | 23 00 19 2 001<br>005.000   | PB Service, inc.   | 3700 14th Ave   | Christopher Bond<br>Bond Industries, Inc.<br>3700 14th Ave N<br>Birmingham, AL 35234<br>205.907.8007  | Soil removal completed in 2016.<br>Arsenic and lead remain in soil<br>under cap and in groundwater. | Draft restriction language sent to owner. No response received to date.  | Develop roadmap with USEPA to implement deed restrictions.                 |
|   | DOT ROW   | ALDOT  | DOT ROW   | Robert Camp, Steve Haynes, etc.<br>William D. McDaniel, P.E.<br>Operations Engineer<br>East Central Region-Birmingham Area<br>Alabama Department of Transportation<br>1020 Bankhead Hwy. West<br>P.O. Box 2745<br>Birmingham, AL 35202-2745<br>Ph. (205) 328-5820<br>Email: mcdanielw@dot.state.al.us | Soil removal completed in 2016.<br>Arsenic and lead remain in soil<br>under cap and in groundwater. | Additional work pending on DOT ROW. In June 2018 DOT said they are ready to reengage on additional work on ROW but did not agree with our plans for limited removal - deed restrictions will be discussed after ROW work is completed.   | Develop roadmap with USEPA to implement deed restrictions.                 |
|   | RR ROW  | CSX RR   | RR ROW  | Kevin Boland, PG<br>CSX Transportation, Inc.<br>6737 Southpoint Drive South, J-180<br>Jacksonville, FL 32216<br>904-716-0098, 904-357-7927 - Fax  | Soil removal completed in 2016.<br>Arsenic and lead remain in soil<br>under cap and in groundwater. | RR requested additional soil removal which is not required per agency. Deed restrictions will be discussed after resolution with RR is reached.  | Develop roadmap with USEPA to implement deed restrictions.                 |

Table 1  
Details on Remaining Deed Restrictions  
Former Virginia-Carolina Chemical Corporation Sites  
Updated: 3/19/2020

| Site Name   | Tax Parcel Number/<br>Identification | Owner                             | Physical Property Address   | Property Contact Information  | Delineation Information   | Comments on Status  | Next Steps  |
|---|--------------------------------------|-----------------------------------|---|---|---|---|---|
| Mobile, AL  | (1/3 deed restrictions recorded)     |                                   |   |   |   |   |   |
|   | R022902440005292<br>R022902440005297 | Daniel Schambeau (2 properties)   | 901 North Kate St, Prichard, AL   | Daniel Schambeau<br>e-mail: dschambeau@virginiawrecking.com<br>phone: 251-928-3067<br>P.O. Box 2730<br>Daphne, AL 36526   | Soil removal completed between 2014 and 2016. Arsenic and lead remain in soil under cap and arsenic in groundwater. | Deed restriction language drafted and approved by USEPA and ADEM. Procured easement on adjacent property and planning field work needed to modify the easement to facilitate negotiations for a deed restriction.         | Complete work in easement and then have property owner sign deed restriction.                   |
|   | NA                                   | Illinois Central Railroad Company | Northwest of the New Bay Bridge Road and I-165 (MP 2.6 between MP 2.6 Beaumont Subdivision), Prichard, AL | Canadian National Railroad  | Soil removal completed between 2014 and 2016. Arsenic and lead remain in soil under cap and arsenic in groundwater. | Working with attorney for railroad to negotiate deed restriction language.  | Follow up with railroad on deed restriction language.   |
| Wylam, AL   | (0/3 deed restriction recorded)      |                                   |   |   | No groundwater sampling required.   | Awaiting completion of Phase 2 soil removal before determining limits of required deed restrictions.  |   |
|   | 30 00 03 1 001 001.000               | US Steel                          | 3030 Park Rd E<br>Pleasant Grove, AL  | Jason Parham<br>Jparham@uss.com<br>205-783-2306 (fax)<br>205-783-2500 (phone)   | Soil removal completed in 2012/2013. Arsenic and lead remain in soil under cap.                                     | Awaiting completion of Phase 2 soil removal before determining limits of required deed restrictions.  | Complete Phase 2 soil removal activities.   |
|   | 30 00 02 2 014 001.000               | Lester Ayers                      | 5400 10th Ave<br>Birmingham, AL   | Lester Mack Ayers (or Jackie?)<br>205-938-0570  | Soil removal completed in 2012/2013. Arsenic and lead remain in soil under cap.                                     | Awaiting completion of Phase 2 soil removal before determining limits of required deed restrictions.  | Complete Phase 2 soil removal activities.   |
|   | 30 00 03 1 001 002.000               | Western Properties                | 5502 10th Ave<br>Birmingham, AL   | Jason Spinks<br>205-288-2057  | Soil removal completed in 2012/2013. Arsenic and lead remain in soil under cap.                                     | Awaiting completion of Phase 2 soil removal before determining limits of required deed restrictions.  | Complete Phase 2 soil removal activities.   |
| EMES FACILITATING (0/1 deed restriction recorded) |                                      |                                   |   |   |   | Awaiting completion of soil removal before determining limits of required deed restrictions.  |   |
| Louisville, KY (Black Leaf)                       | 039H00260000                         | FCBKY Holdidng, LLC               | 1391 Dixie Highway<br>Louisville, KY 40210  | Adam. T. Goebel<br>Stoll Keenon Ogden PLLC<br>2000 PNC Plaza, 500 West Jefferson Street<br>Louisville, KY 40202<br>502-568-5705 Direct<br>502-333-6099 Facsimile<br>adam.goebel@skofirm.com | Soil removal on-going; completion anticipated in April. GW investigation on-going.                                  | Draft Restriction language prepared and included in Corrective Action Plan dated Sept 2018. Once soil removal is completed in Q2 2020, restriction will be finalized and recorded. Attornies currently working on review. | Complete soil removal activities in Q2 2020 prior to finalizing and recording deed restriction. |



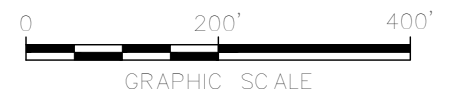






- LEGEND:
- CURRENT PROPERTY LINE
  - RAILROAD TRACKS
  - FENCE
  - ASPHALT OR CONCRETE AREA
  - AREA WHERE DEMARCATION BARRIER WAS PLACED
  - REMOVAL AREA
  - AREA WITH EXISTING SOIL COVER AT LEAST 2 FEET THICK; SOIL IMPACTS PRESENT BELOW
  - FORMER VCC BOUNDARY
  - DEED RESTRICTIONS NEEDED

- NOTES:
- SURVEY PROVIDED BY RHODES ENGINEERING SERVICES, INC. OF CARTERSVILLE, GEORGIA (SEPTEMBER 2008, MAY 2009, AND OCTOBER 2009) AND BY LOWERY & ASSOCIATES DURING CONSTRUCTION.
  - SELECT AREAS HAVE IMPACTS BELOW 2 FT; THEREFORE, A DEMARCATION BARRIER WAS INSTALLED AT THESE AREAS.
  - Restrictions may include areas under buildings and/or driveways where soil removal was not conducted.

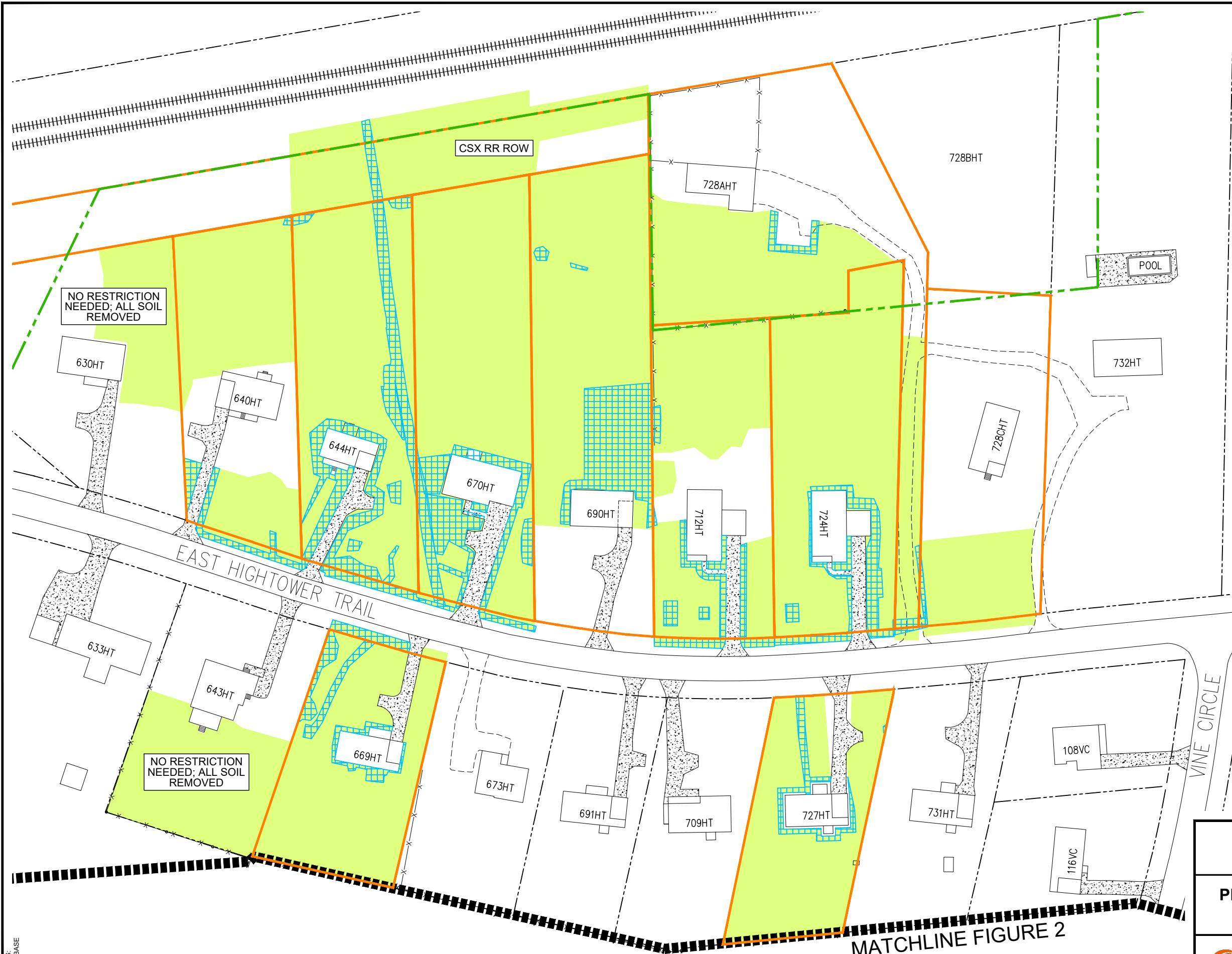


EXXONMOBIL  
ROME, GEORGIA

## PROPERTIES REQUIRING LAND USE RESTRICTIONS



CITY: SYRACUSE, NY DIV/GROUP: EBC-IMDV DB: LPOSENAUER PMTM: CCHVALEK LVR(OPTION) OFF=REF  
C:\Users\lposenaue\BIM 360\Arcadis\ANA - EXXON MOBIL Project Files\VCC Social Circle TM 2019\2020\3000731201-DWG\SC\_G-4A\_PROP REQ LUC.dwg LAYOUT: G-4A\_SAVED: 3/13/2020 5:15 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: C-LIB-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/16/2020 11:21 AM BY: POSENAUER, LISA



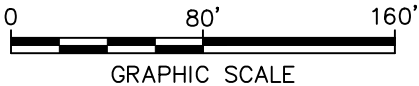
LEGEND:

- CURRENT PROPERTY LINES
- +++++ GEORGIA RAILROAD
- REMOVAL AREA
- APPROXIMATE LOCATION OF DEMARCATION BARRIER
- FORMER VCC BOUNDARY
- DEED RESTRICTIONS NEEDED

| ABBREVIATION | STREET NAME    |
|--------------|----------------|
| HT           | EAST HIGHTOWER |
| VC           | VINE CIRCLE    |

NOTE:

1. BASE MAP PROVIDED BY DLM CIVIL ENGINEERING AND LAND SURVEYING OF KENNESAW, GEORGIA ON 10/06/2005 AT A SCALE OF 1" = 60'. ADDITIONAL PROPERTY LINES ADDED FROM A DIGITIZED MAP OF THE 2003 WALTON COUNTY TAX MAP.
2. Restrictions may include areas under buildings and/or driveways where soil removal was not conducted.



EXXONMOBIL  
VCC - SOCIAL CIRCLE, GEORGIA

PROPERTIES REQUIRING LAND USE RESTRICTIONS



FIGURE

G-4A



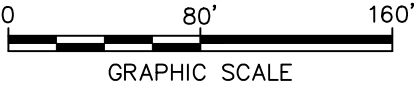
LEGEND:

- CURRENT PROPERTY LINES
- ||||| GEORGIA RAILROAD
- REMOVAL AREA
- APPROXIMATE LOCATION OF DEMARCATION BARRIER
- FORMER VCC BOUNDARY
- DEED RESTRICTIONS NEEDED

| ABBREVIATION | STREET NAME    |
|--------------|----------------|
| HT           | EAST HIGHTOWER |
| VC           | VINE CIRCLE    |

NOTE:

1. BASE MAP PROVIDED BY DLM CIVIL ENGINEERING AND LAND SURVEYING OF KENNESAW, GEORGIA ON 10/06/2005 AT A SCALE OF 1" = 60'. ADDITIONAL PROPERTY LINES ADDED FROM A DIGITIZED MAP OF THE 2003 WALTON COUNTY TAX MAP.
2. Restrictions may include areas under buildings and/or driveways where soil removal was not conducted.



EXXONMOBIL  
VCC - SOCIAL CIRCLE, GEORGIA

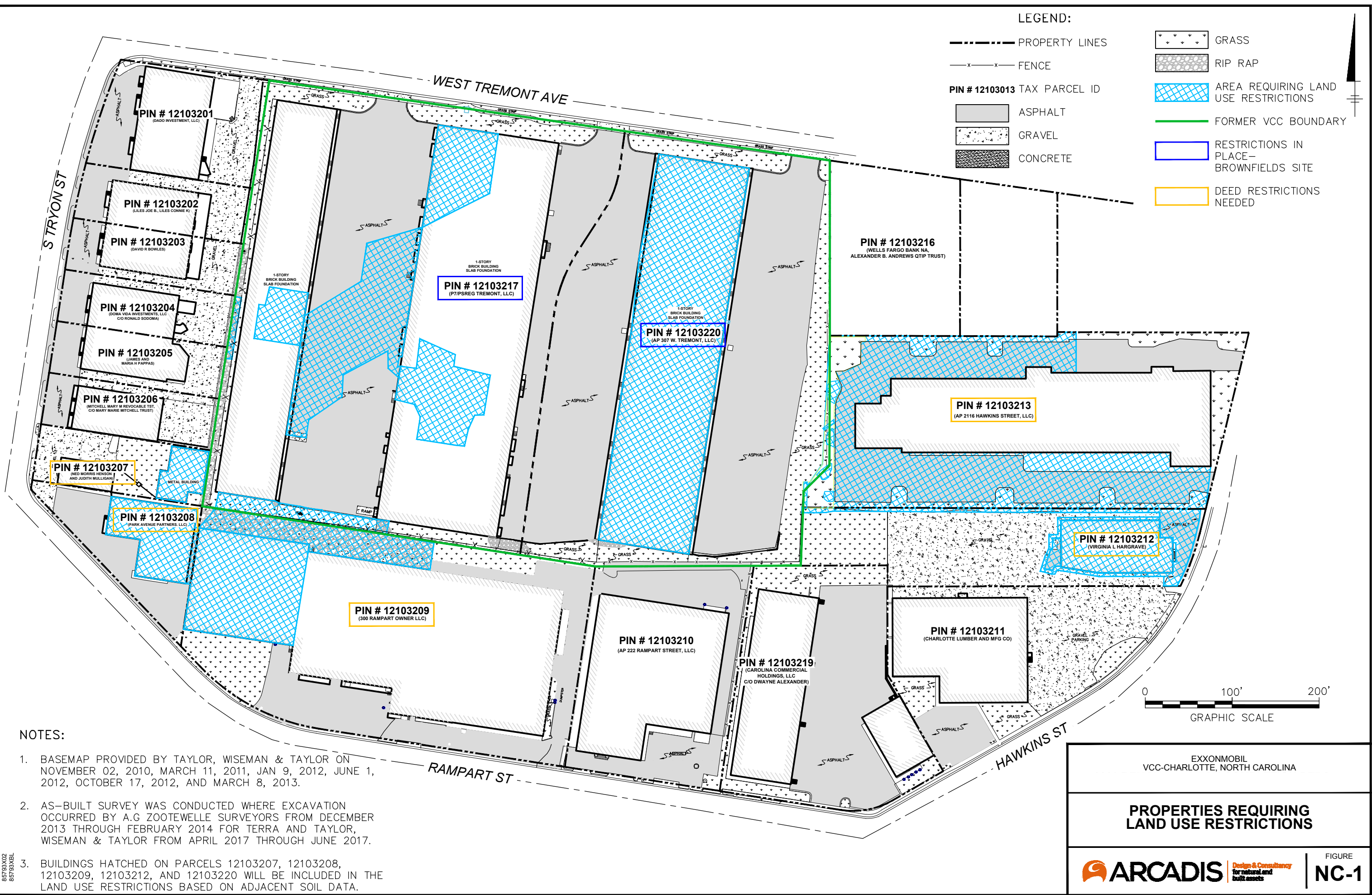
PROPERTIES REQUIRING LAND USE RESTRICTIONS

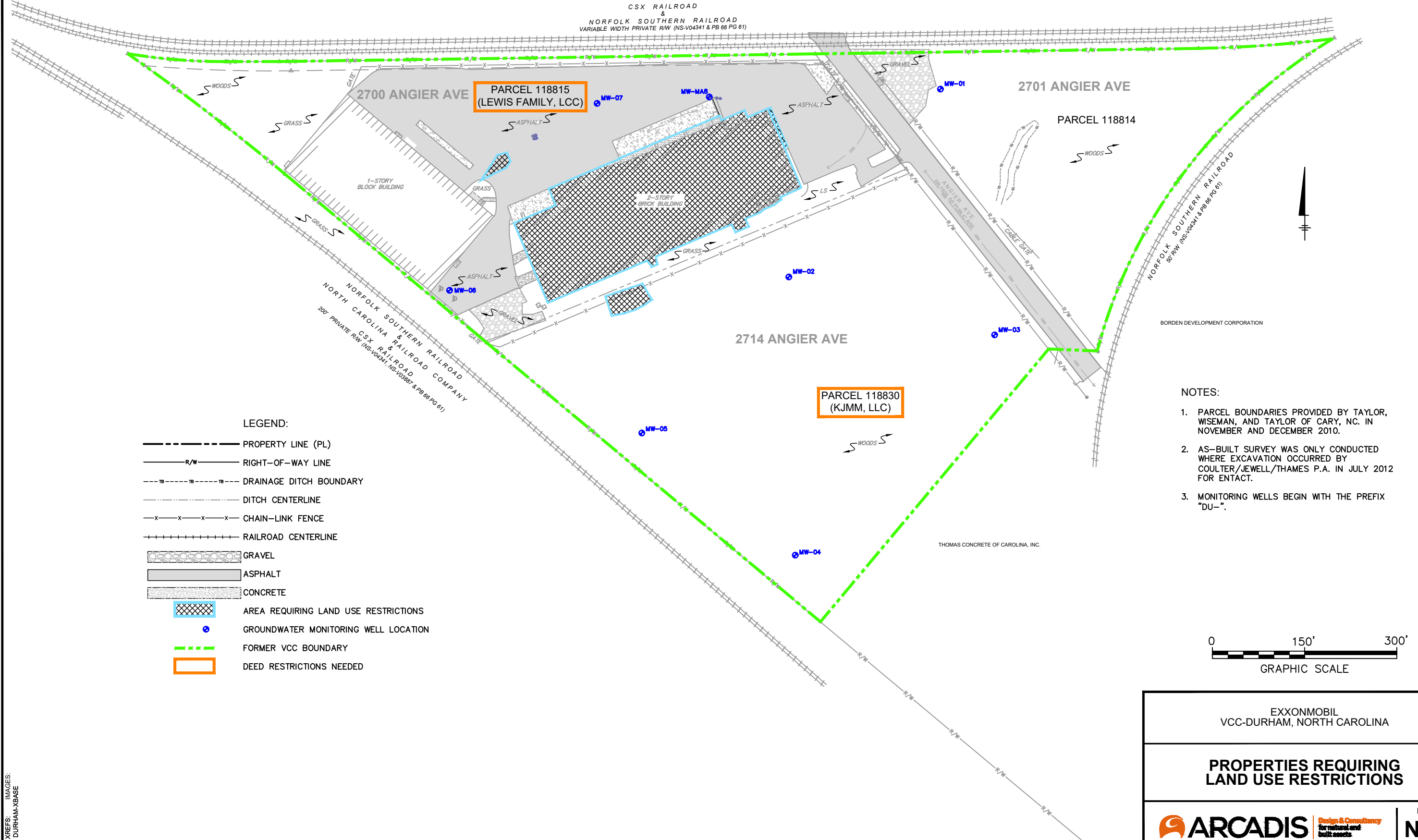


FIGURE

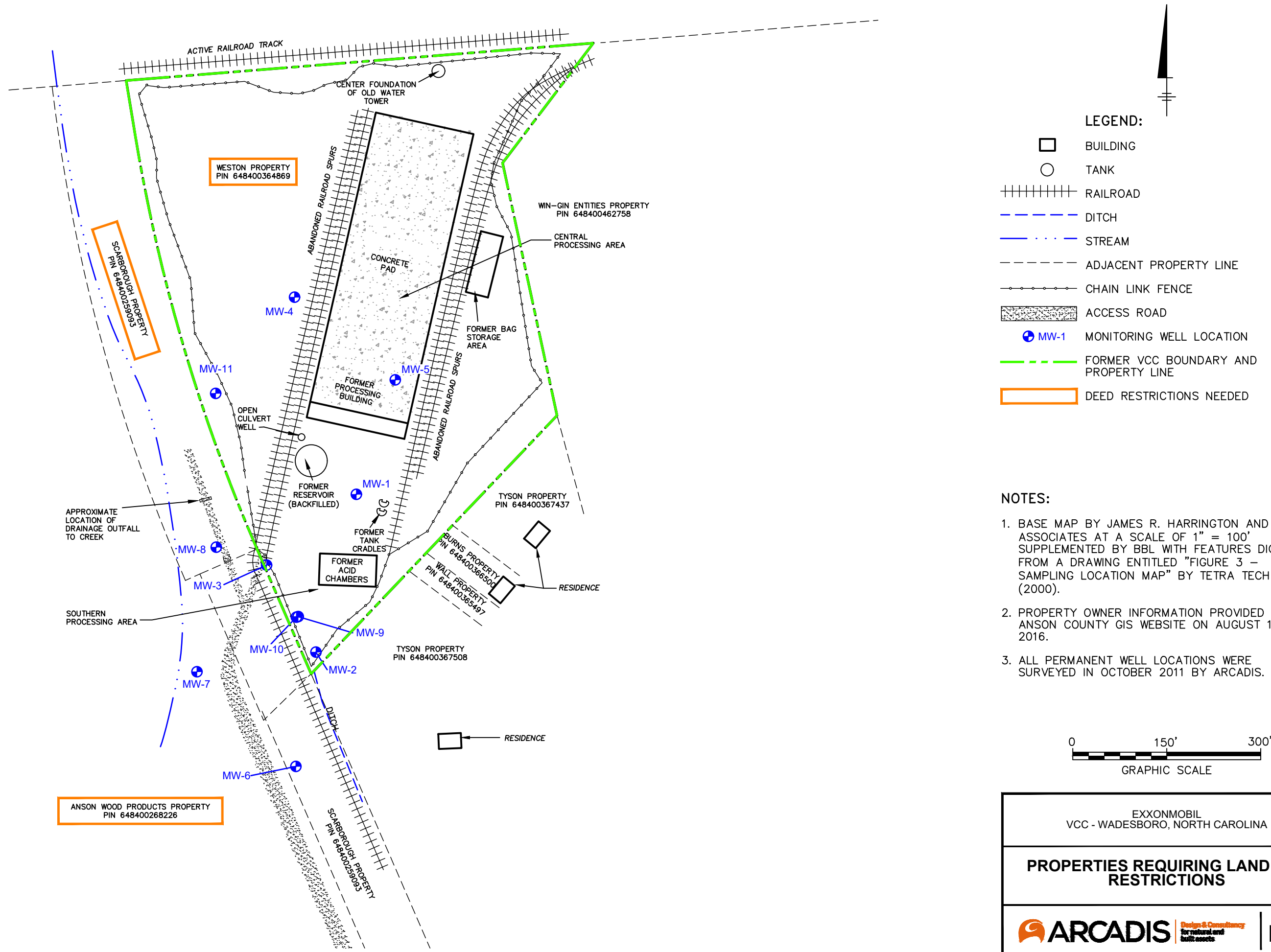
G-4B











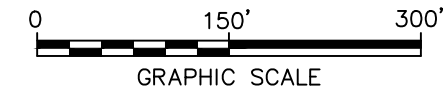




**LEGEND:**

|  |  |
|--|--|
|  | PROPERTY LINE                                |
|  | SURFACE WATER BODY                           |
|  | PAVEMENT                                     |
|  | WETLAND AREA BOUNDARY                        |
|  | EX. FENCE                                    |
|  | EX. RAILROAD                                 |
|  | UXO AREA                                     |
|  | SHALLOW PERFORMANCE MONITORING WELL LOCATION |
|  | DEEP PERFORMANCE MONITORING WELL LOCATION    |
|  | MARSH PERFORMANCE MONITORING WELL LOCATION   |
|  | DEMARCATON LINER AREA                        |
|  | FORMER VCC BOUNDARY                          |
|  | DEED RESTRICTION NEEDED                      |

- NOTES:**
- BASEMAP FEATURES WERE SURVEYED AND PROVIDED BY MURPHY GEOMATICS OF WILMINGTON NC IN DECEMBER 2009.
  - EASTERN PROPERTY BOUNDARY IS APPROXIMATELY THE HIGH WATER LINE OF THE NORTHEAST CAPE FEAR RIVER.



EXXONMOBIL  
FORMER ALMONT FERTILIZER SITE  
WILMINGTON, NORTH CAROLINA

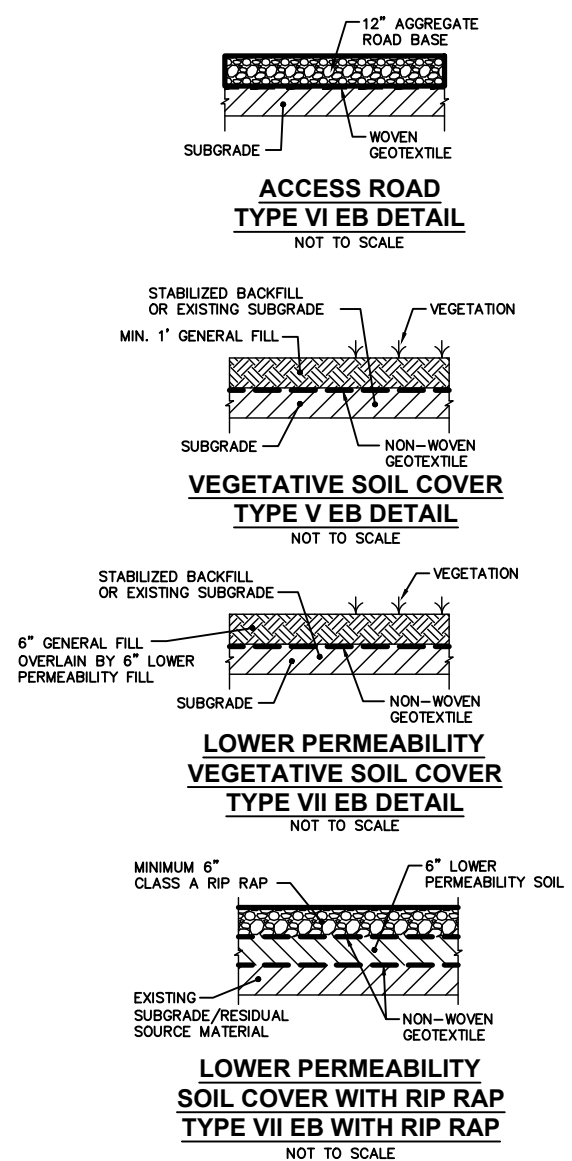
AREAS REQUIRING LAND USE  
RESTRICTION

**ARCADIS** Design & Consultancy  
for natural and  
built assets

FIGURE  
**NC-4**

CITY: SYRACUSE, NY DIV/GROUP: EBC-IMDV DB/ID: LPOSENAUER PM/TM: HEVANKO LVR: (Opt)None OFF: REF  
C:\Users\lposenaue\BIM 360\Arcadis\ANA - EXXON MOBIL Project Files\VCC Navassa 2020 Project Coordination\2020\30\04\2824\01-DWG\NAVASSA\_NC-5\_PROP REQ LUR.dwg LAYOUT: NC-5 SAVED: 3/16/2020 2:49 PM ACADVER: 23.1S (LMS TECH) PAGES: 1 OF 1 PLOTSTYLE: TABLE: PLT\Full.ctb PLOTTED: 3/17/2020 12:28 PM BY: POSENAUER, LISA

XREFS:  
X-BASEMAP



PARCEL ID 03000006  
PARCEL PIN 310810474293  
(EDWARDS A M TR & VA CREECH JR EST)

ADJACENT PARCEL  
(NO PARCEL ID OR PIN PER BRUNSWICK COUNTY)  
(SEE NOTE 4)

- LEGEND:**
- PROPERTY LINE
  - SITE BOUNDARY (SEE NOTE 3)
  - 15- TOPOGRAPHIC CONTOUR
  - Marsh
  - DEED RESTRICTIONS NEEDED
- AREAS REQUIRING LAND USE RESTRICTIONS**
- TYPE V EXPOSURE BARRIER (EB)
  - TYPE VI EXPOSURE BARRIER (EB)
  - TYPE VII EXPOSURE BARRIER (EB)
  - TYPE VII EB WITH RIP RAP
  - EXISTING FOUNDATIONS/PAVEMENT (EB)

- NOTES:**
1. SITE TOPOGRAPHIC AND BATHYMETRIC SURVEYS WERE COMPLETED ON MAY 9, 2008. ALL SURVEYING CONDUCTED BY TAYLOR WISEMAN AND TAYLOR.
  2. ALL BEARINGS, DISTANCES AND COORDINATES SHOWN HEREON ARE LOCALIZED GROUND NAD 83 (NSRS2007) HORIZONTAL INFORMATION BASED UPON THE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM. ELEVATIONS ARE REPORTED IN THE NAVD 88 (GEOID03) DATUM.
  3. THE ESTECH GENERAL CHEMICALS SITE ENCOMPASSES A 15-ACRE PORTION OF THE FORMER 60-ACRE ESTECH GENERAL CHEMICALS PROPERTY.
  4. THE LIMITS OF THE ADJACENT PARCEL ARE APPROXIMATE. THE PARCEL ID, PIN AND OWNER OF THE ADJACENT PARCEL ARE NOT AVAILABLE ON BRUNSWICK COUNTY'S GIS DATA VIEW, AND IT IS ASSUMED THE PARCEL IS OWNED BY CSX RAILROAD.

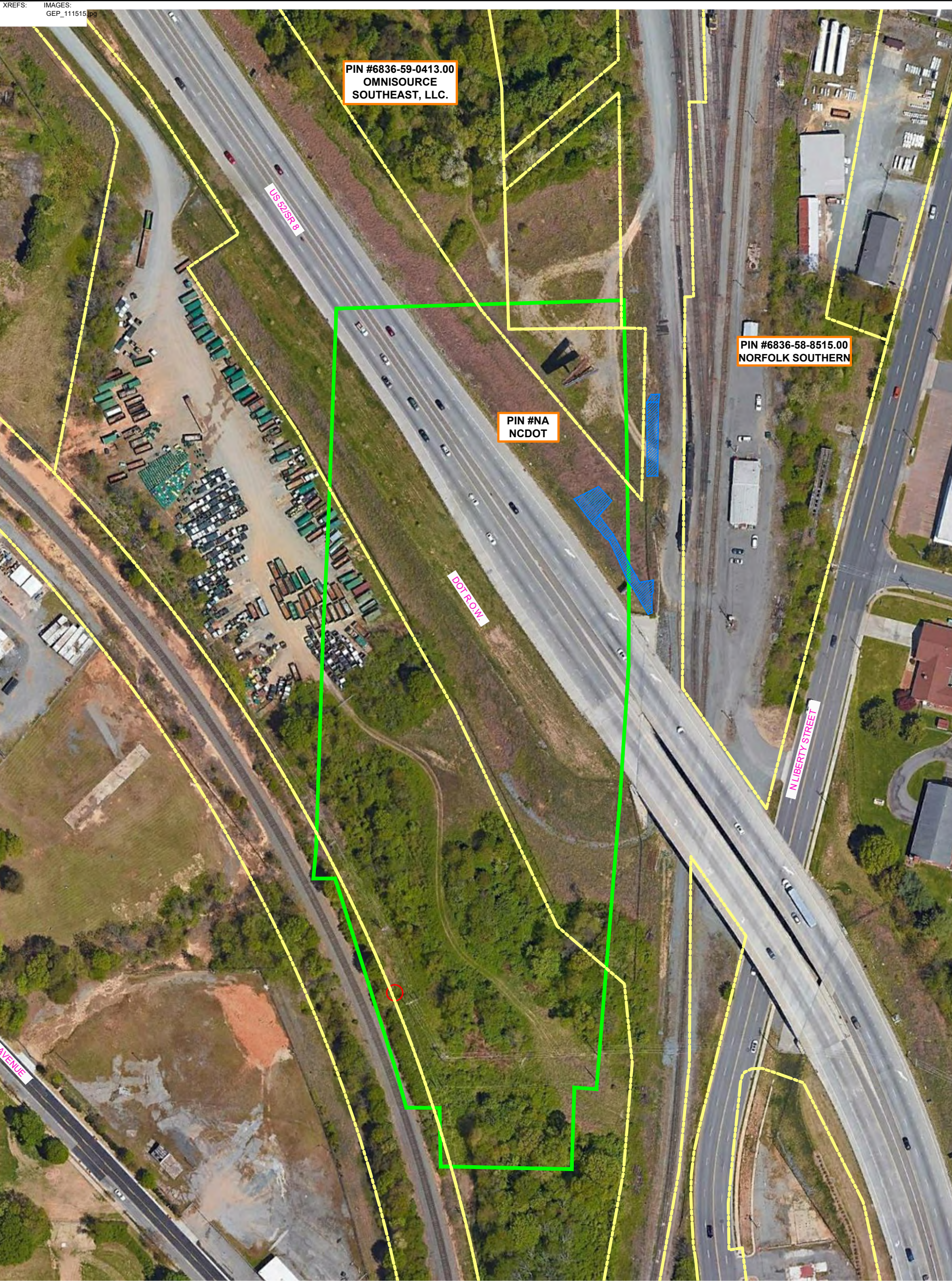


EXXONMOBIL AND ESTECH INC.  
ESTECH GENERAL CHEMICALS SITE  
NAVASSA, NORTH CAROLINA

**AREAS REQUIRING LAND USE RESTRICTIONS**



XREFS: IMAGES:  
GEP\_111515.jpg



LEGEND:

- APPROXIMATE LOCATION OF THE VIRGINIA-CAROLINA CHEMICAL CORPORATION PLANT FENCE LINE (APPROXIMATE BOUNDARY OF THE FIRST LOT OF THE ORIGINAL PLACE)
- CURRENT TAX PARCEL BOUNDARIES
- DEED RESTRICTION NEEDED
- AREA REQUIRING LAND USE RESTRICTIONS

NOTES:

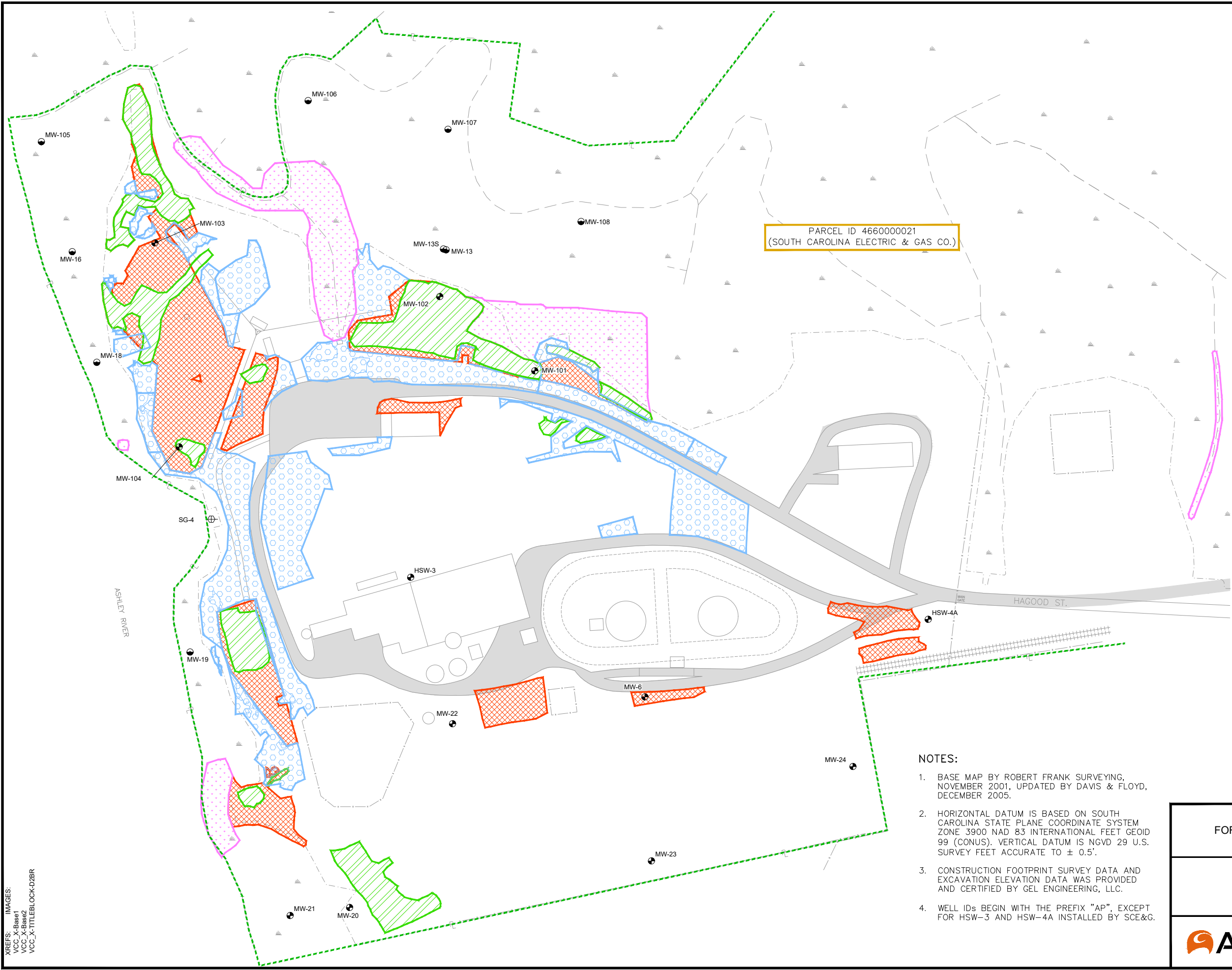
- 2015 AERIAL PHOTOGRAPH OF WINSTON-SALEM PROVIDED BY GOOGLE EARTH PRO.
- PARCEL BOUNDARIES DIGITIZED FROM 2015 FORSYTH COUNTY COMPILATION OF RECORDED PLATS.

FORMER STREET NAMES:  
INDIANA AVE. (FKA INVERNESS AVE.)  
LIBERTY ST. (FKA WALKERTOWN RD.)

EXXONMOBIL  
WINSTON-SALEM, FORSYTH COUNTY, NORTH CAROLINA

**PROPERTIES REQUIRING LAND USE RESTRICTIONS**





PARCEL ID 4660000021  
(SOUTH CAROLINA ELECTRIC & GAS CO.)

LEGEND:

- STAFF GAUGE
- MARSH GROUNDWATER MONITORING WELL
- UPLAND GROUNDWATER MONITORING WELL
- FENCE
- MARSH CHANNEL
- MARSH
- WETLAND BOUNDARY
- APPROXIMATE PROPERTY LINE
- RAILROAD TRACKS

ZONE LEGEND:

- MARSH ZONE EXCAVATION LIMITS
- SATURATED ZONE EXCAVATION LIMITS
- VADOSE ZONE EXCAVATION LIMITS
- LPEB ZONE EXCAVATION LIMITS
- FORMER VCC BOUNDARY
- DEED RESTRICTIONS NEEDED

NOTES:

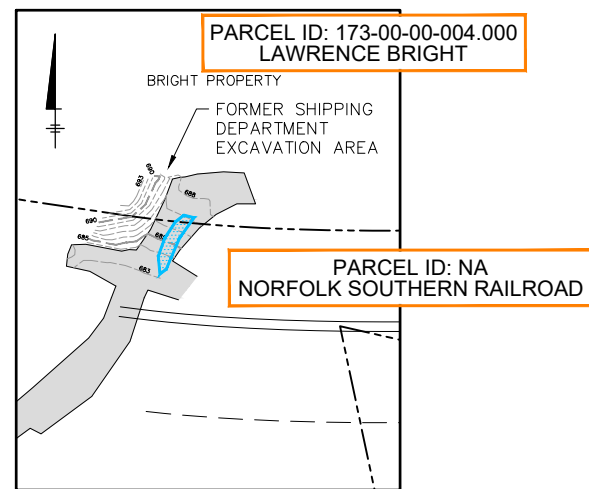
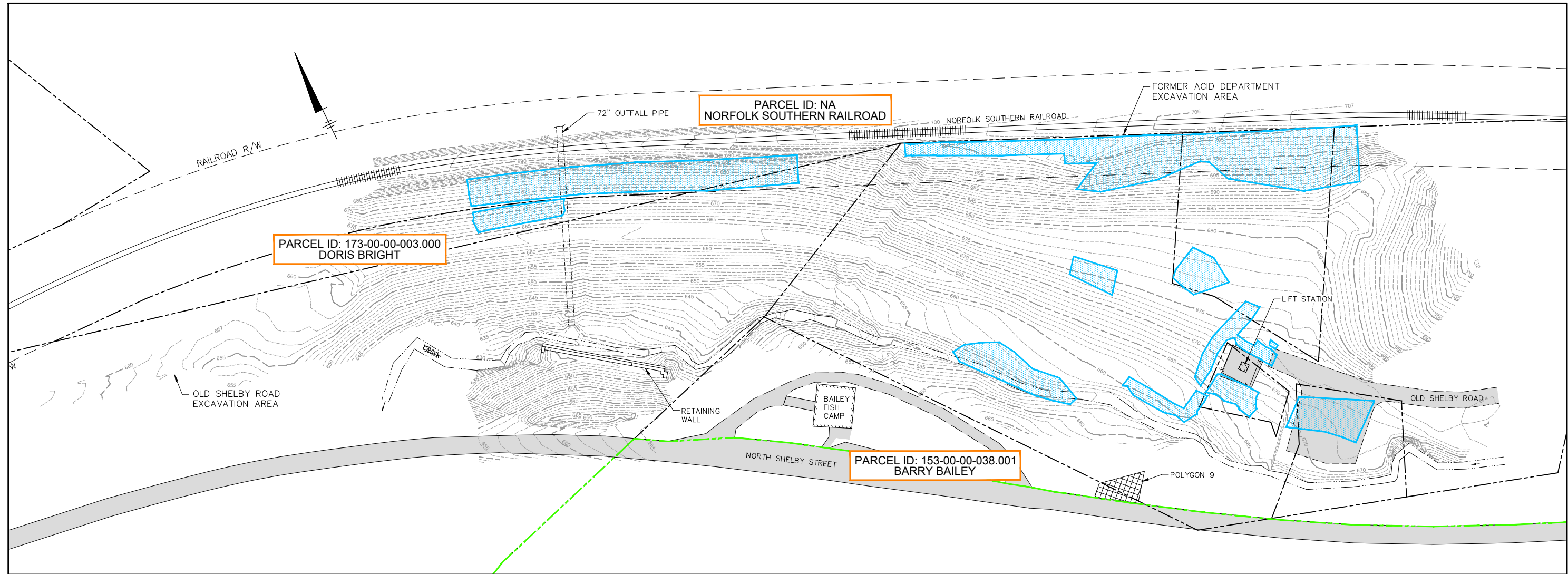
- BASE MAP BY ROBERT FRANK SURVEYING, NOVEMBER 2001, UPDATED BY DAVIS & FLOYD, DECEMBER 2005.
- HORIZONTAL DATUM IS BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM ZONE 3900 NAD 83 INTERNATIONAL FEET GEOID 99 (CONUS). VERTICAL DATUM IS NGVD 29 U.S. SURVEY FEET ACCURATE TO  $\pm 0.5'$ .
- CONSTRUCTION FOOTPRINT SURVEY DATA AND EXCAVATION ELEVATION DATA WAS PROVIDED AND CERTIFIED BY GEL ENGINEERING, LLC.
- WELL IDS BEGIN WITH THE PREFIX "AP", EXCEPT FOR HSW-3 AND HSW-4A INSTALLED BY SCE&G.

EXXONMOBIL  
FORMER ATLANTIC PHOSPHATE WORKS SITE  
CHARLESTON, SOUTH CAROLINA

**AREAS REQUIRING LAND  
USE RESTRICTIONS**

**ARCADIS** Design & Consultancy  
for natural and  
built assets

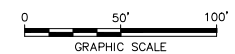
FIGURE  
**SC-1**



- LEGEND:**
- PROPERTY LINE
  - - - 660 - - - 5' INDEX TOPOGRAPHIC CONTOUR
  - - - 1' TOPOGRAPHIC CONTOUR
  - - - REALIGNED CREEK
  - ||||| RAILROAD
  - x - x - FENCE
  - ▨ STRUCTURE
  - ▬ PAVED/GRAVEL ROAD
  - ▨ DEMARCATION LINER
  - ▨ AREA NOT EXCAVATED DUE TO SLOPING REQUIREMENTS
  - - - FORMER VCC BOUNDARY
  - ▭ DEED RESTRICTIONS NEEDED

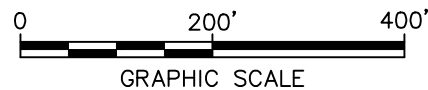
**NOTES:**

1. SURVEY PROVIDED BY LAVENDER, SMITH & ASSOCIATES, INC. OF SPARTANBURG, SOUTH CAROLINA.
2. TOPOGRAPHIC CONTOURS IN 1 FOOT INTERVALS BASED ON POST REMOVAL ACTION DATA. ELEVATIONS SURVEYED IN REFERENCE TO SC GRID NORTH (NORTH AMERICAN DATUM 1983).



EXXONMOBIL - FORMER VCC BLACKSBURG SITE  
BLACKSBURG, SOUTH CAROLINA

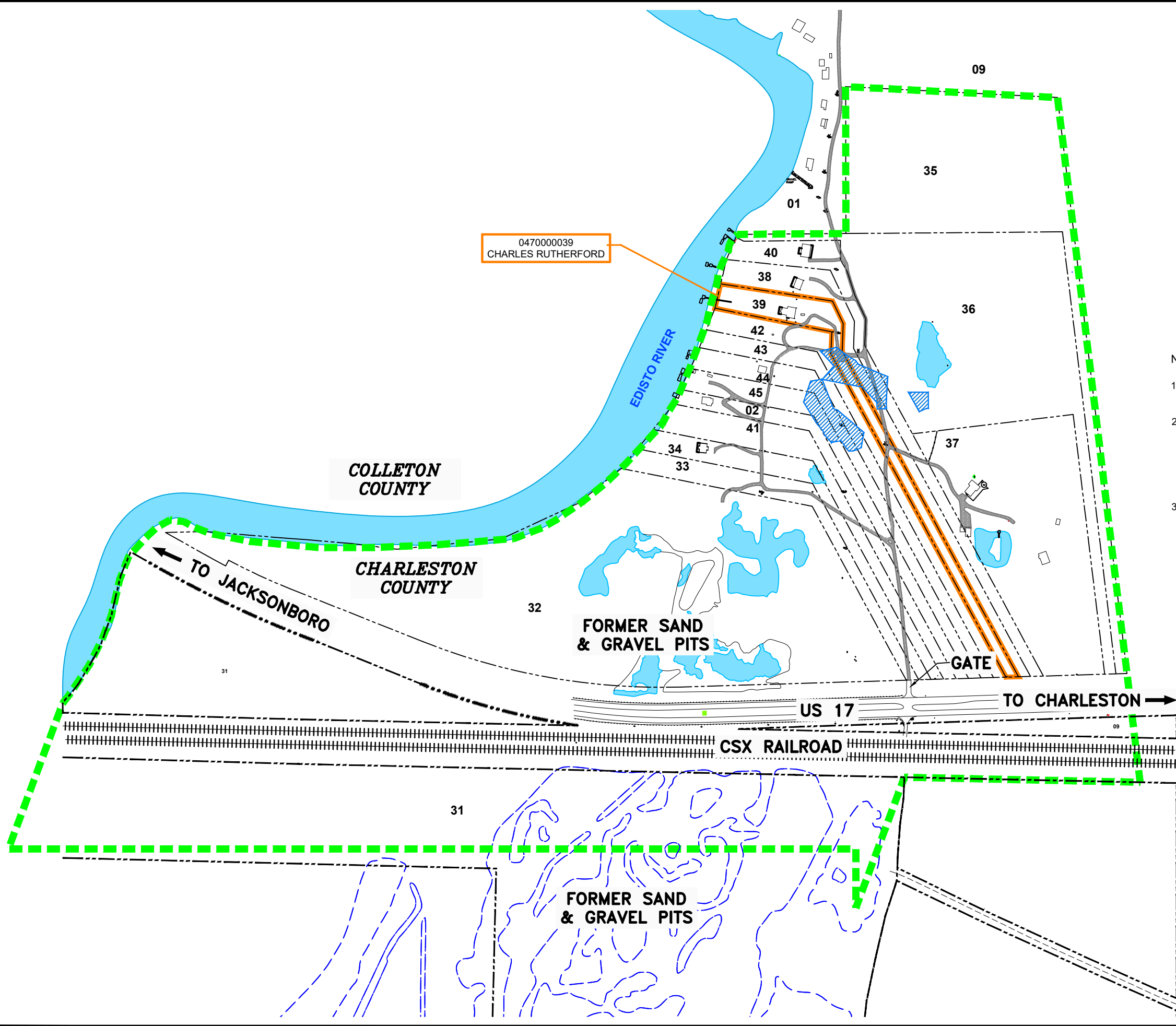
**PROPERTIES REQUIRING LAND USE  
RESTRICTIONS**



## PROPERTIES REQUIRING LAND USE RESTRICTIONS



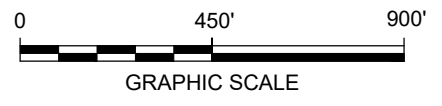
CITY: TAMPA, FL DIV: GROUP ENV CAD DB: J.RICHARDS LD: J.RICHARDS PIC: (Opt) PM: (Reqd) TM: (Opt)  
C:\Users\jrichards\BIM\360\Acadiso\ANA - EXXON MOBIL\Project Files\VCC Pon Pon - UP 2017\2020\B0065777\1702\01-DWG\PRULR 2020 VCC Pon Pon FIG\_SC-4.dwg LAYOUT: SC-4 SAVED: 3/12/2020 10:46 AM PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 3/12/2020 10:50 AM BY: RICHARDS, JIM  
XREFS: IMAGES: PROJECTNAME: 85777X01



**LEGEND:**

- PROPERTY LINE
- [Pattern] UNPAVED ROADS/DRIVEWAYS
- [Blue] SURFACE WATER BODY
- 31** LAST TWO DIGITS OF PARCEL ID NUMBER LABELED IN BLACK (TAX PARCEL NUMBER BEGINS WITH "04700000")
- [Green Dashed] APPROXIMATE LOCATION OF FORMER GEORGIA CHEMICAL WORKS PROPERTY BOUNDARY
- [Icon] CURRENT SITE BUILDINGS
- [Icon] POWER LINES
- [Dashed] POWERLINE EASEMENT
- [Blue Hatched] AREA REQUIRING LAND USE RESTRICTIONS
- [Orange Outline] DEED RESTRICTION NEEDED

- NOTES:**
1. THIS BASE MAP WAS PROVIDED BY ANDREWS AND BURGESS INC., MAY 2007.
  2. SITE FEATURES INCLUDING PROPERTY BOUNDARIES, ROADS, DOCKS, HOUSES, SURFACE WATER BODIES, AND UTILITIES WERE IDENTIFIED USING A COMBINATION OF CONVENTIONAL, TRANSIT-BASED SURVEYING, GPS-BASED SURVEYING, AN AERIAL SURVEY PERFORMED IN MARCH 2007 AND CHARLESTON COUNTY GEOGRAPHIC INFORMATION SYSTEM (GIS) DEPARTMENT.
  3. FORMER PROPERTY BOUNDARY BASED ON HISTORICAL DEEDS AND ON PLAT MAP DATED APRIL 1902 BY SIMMONS AND MYRANT CIVIL ENGINEERS.



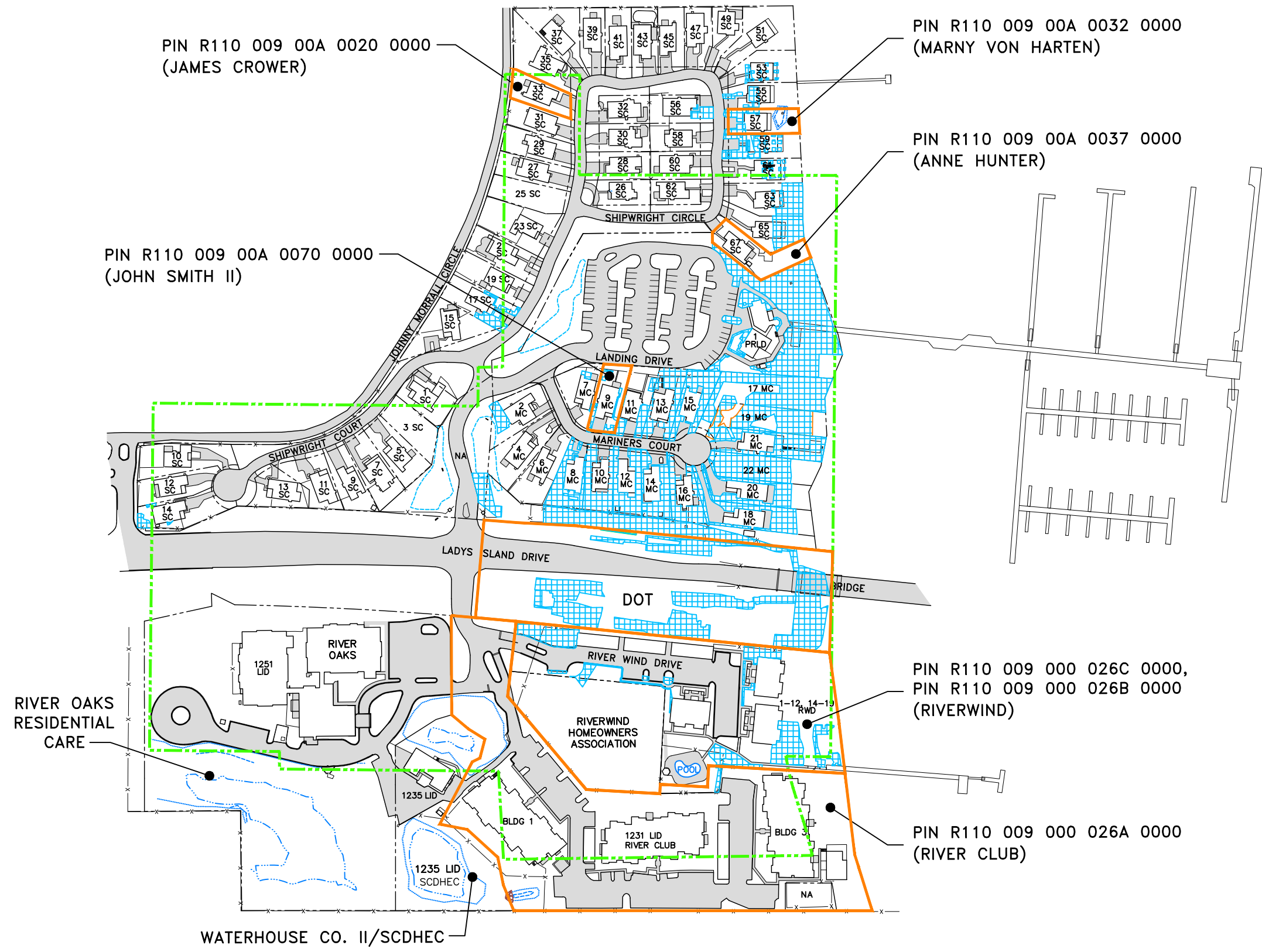
EXXONMOBIL  
PON PON, CHARLESTON COUNTY, SOUTH CAROLINA

**PROPERTY REQUIRING LAND USE RESTRICTIONS**

**ARCADIS** Design & Consultancy  
for natural and built assets

FIGURE  
**SC-4**

CITY: SYRACUSE, NY DIV: GROUP: EBC-IMDV DR: LPOSENAUER PM: TM: MPELTON LVR: QOJON+ OFF: REF\*  
C:\Users\lposenaue\BIM\360\Arcadis\ANA - EXXON MOBIL Project Files\VCC Port of Baldwin Mines UP\2020\30007416 9101-DWG\POBDM\_SC-5\_PROPR REQ LUR.dwg LAYOUT: SC-5 SAVED: 3/9/2020 3:36 PM ACADVER: 23.1S (LMS TECH) PAGESETUP: C-LB-PDF PLOTSTYLETABLE: PLTFULL.CTB  
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XREFS:



LEGEND:

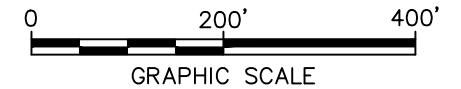
- TAX PARCEL OUTLINE
- BUILDING
- FENCE LINE
- PAVEMENT/CONCRETE
- APPROXIMATE LOCATION OF DEMARCATION BARRIER
- VCC PORT OF BALDWIN MINES PROPERTY LINE - 1926/1943
- DEED RESTRICTION NEEDED

ABBREVIATION STREET NAME

|      |                          |
|------|--------------------------|
| LID  | LADYS ISLAND DRIVE       |
| MC   | MARINERS COURT           |
| PRLD | PORT ROYAL LANDING DRIVE |
| RWD  | RIVERWIND DRIVE          |
| SC   | SHIPWRIGHT CIRCLE/COURT  |

NOTES:

- BASE MAP INFORMATION OBTAINED FROM ANDREWS ENGINEERING COMPANY DATED MAY 7, 2004.
- RESTRICTIONS MAY INCLUDE AREAS UNDER BUILDINGS AND/OR DRIVEWAYS WHERE SOIL REMOVAL WAS NOT CONDUCTED.



EXXONMOBIL  
VCC - PORT OF BALDWIN MINES  
PORT ROYAL, SOUTH CAROLINA

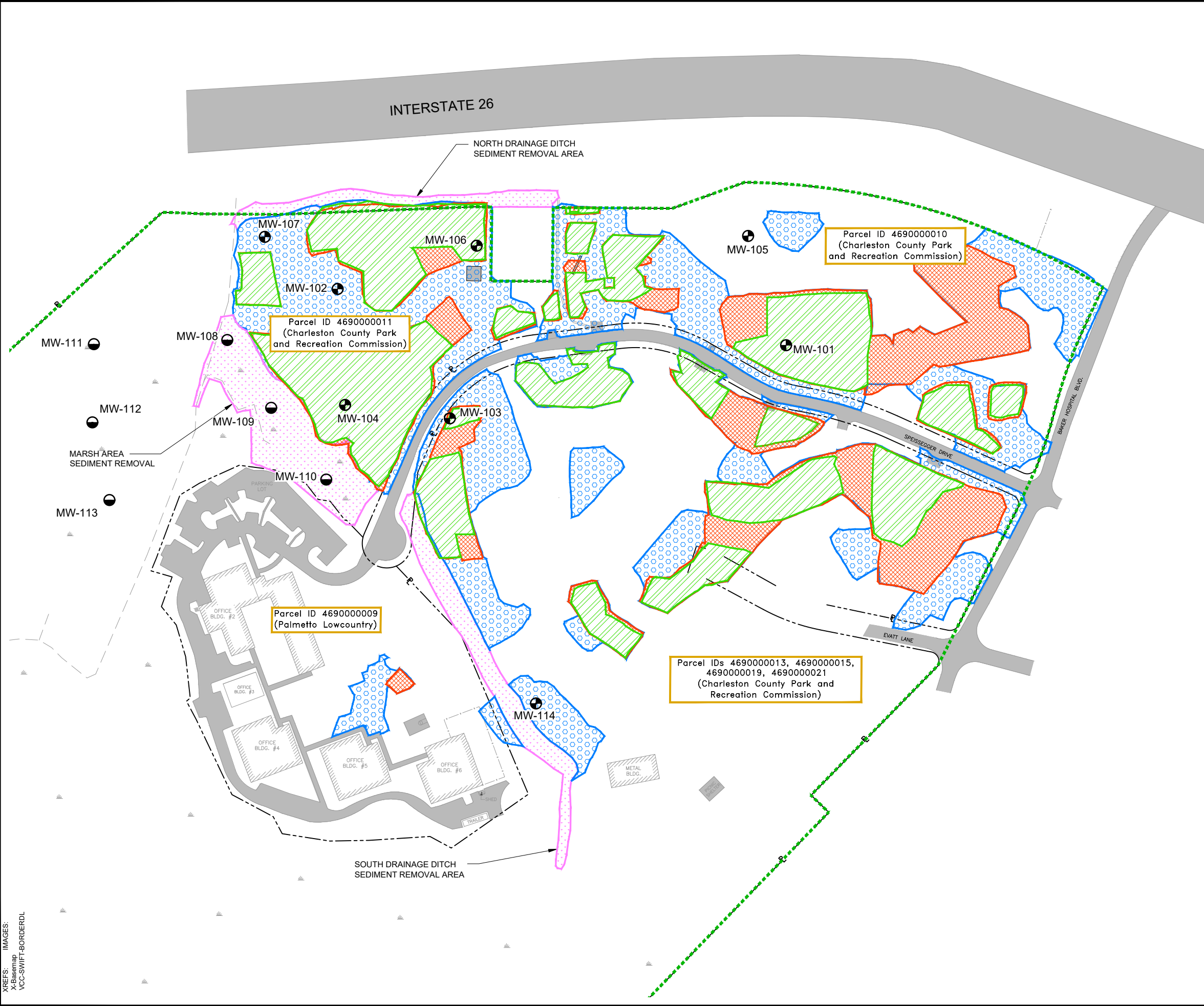
PROPERTIES REQUIRING LAND USE RESTRICTIONS



FIGURE  
SC-5



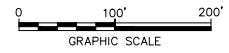
CITY: SYRACUSE, NY DIV/GROUP: ENV/CAD DB: L POSENAUER, PM: T. MOSHER, LVR/OP/ONE: OFF-REF  
C:\Users\karen\BIM\360\Arcadis\ANA - EXXON MOBIL\Project Files\SC-6\DWG\SC-6-PRLUR.dwg LAYOUT: SC-6  
PM: BY: SARTORI, KATHERINE  
XREFS: IMAGES:  
X-BaseMap  
VCC-SWIFT-BORDERDL



- LEGEND:**
- MARSH
  - BUILDING
  - PAVED ROAD / SURFACE
  - FENCE
  - WATER FEATURES
  - APPROXIMATE PROPERTY LINE
  - UPLAND GROUNDWATER MONITORING WELL
  - MARSH GROUNDWATER MONITORING WELL
  - FORMER VCC BOUNDARY
  - DEED RESTRICTIONS NEEDED

- ZONE LEGEND:**
- SEDIMENT ZONE EXCAVATION LIMITS
  - VADOSE ZONE EXCAVATION LIMITS
  - SATURATED ZONE EXCAVATION LIMITS
  - LPEB

- NOTES:**
1. BASE MAP BY ROBERT FRANK SURVEYING, NOVEMBER 2001, AND DAVIS & FLOYD, INC., 2005. BASEMAP INCLUDES UPDATES FROM DEMOLITION PLAN BY DAVIS & FLOYD, AUGUST 2010.
  2. HORIZONTAL DATUM IS BASED ON SOUTH CAROLINA STATE PLANE COORDINATE SYSTEM ZONE 3900 NAD 83 INTERNATIONAL FEET GEOID 99 (CONUS). VERTICAL DATUM IS NGVD 29 U.S. SURVEY FEET ACCURATE TO  $\pm 0.5'$ .
  3. OCRM LINE DELINEATED BY SABINE & WATERS, 2011.
  4. DITCH BOUNDARIES (PROPOSED JURISDICTIONAL DITCH LINE) DELINEATED BY DAVIS & FLOYD, INC., 2006.
  5. CONSTRUCTION FOOTPRINT SURVEY DATA AND EXCAVATION ELEVATION DATA WAS PROVIDED AND CERTIFIED BY GEL ENGINEERING, LLC.



EXXONMOBIL  
FORMER SWIFT AGRI-CHEM CORP. SITE  
NORTH CHARLESTON, SOUTH CAROLINA

**PROPERTIES REQUIRING  
LAND USE RESTRICTIONS**



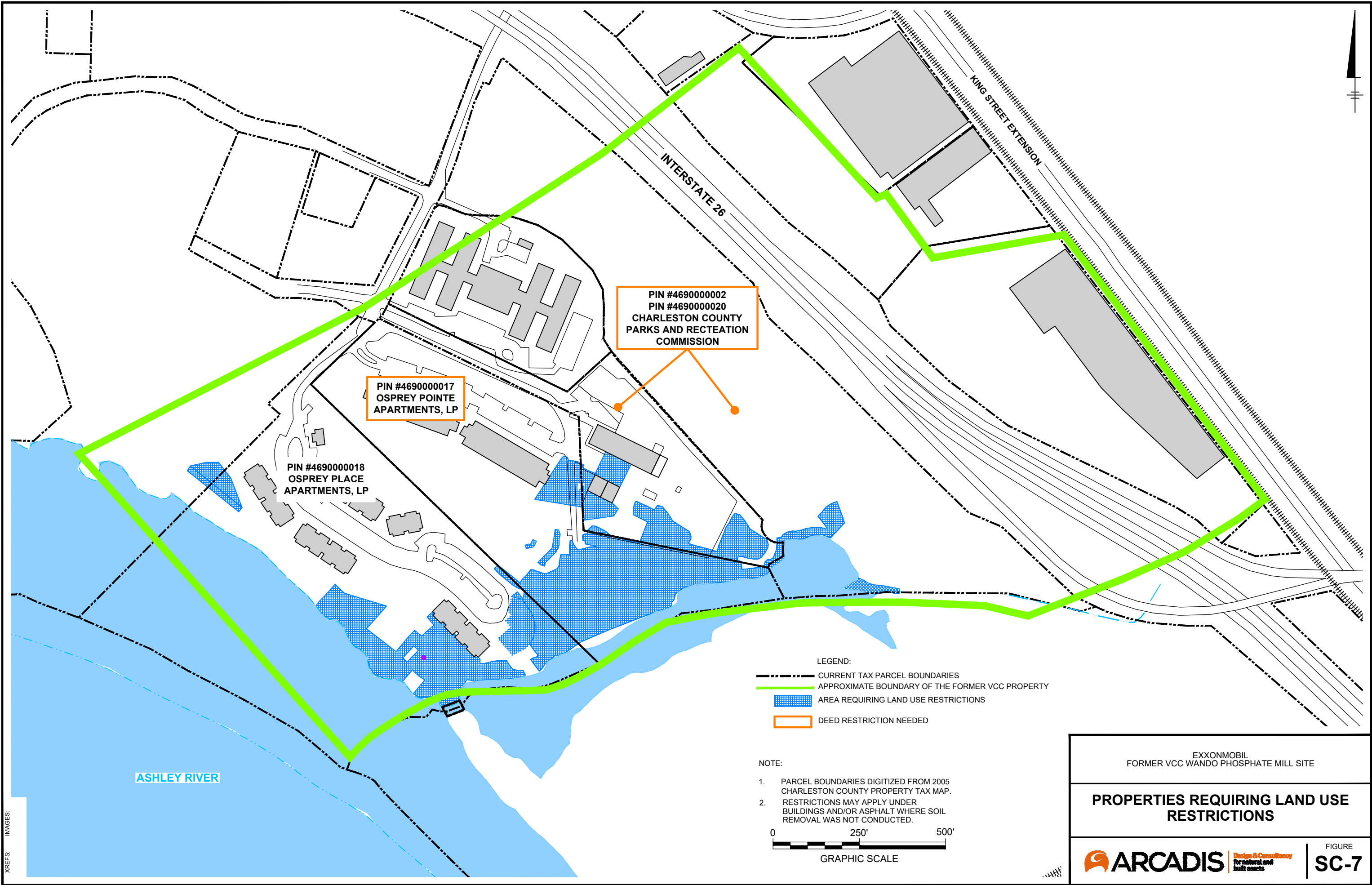
 

FIGURE  
**SC-6**



EXXONMOBIL  
FORMER VCC WANDO PHOSPHATE MILL SITE

**PROPERTIES REQUIRING LAND USE  
RESTRICTIONS**

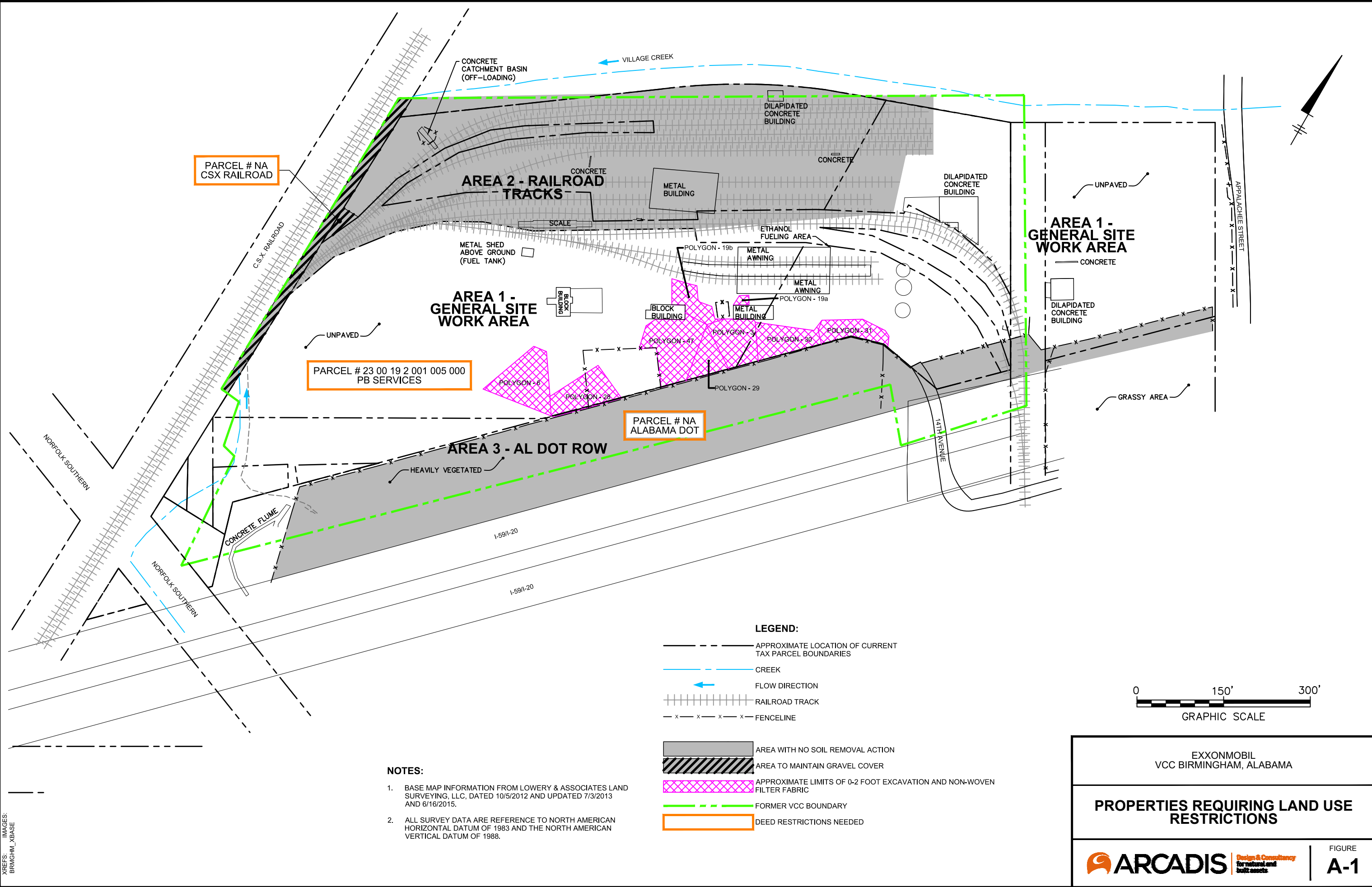
**ARCADIS** Design & Consultancy  
for natural and  
built assets

FIGURE  
**SC-7**



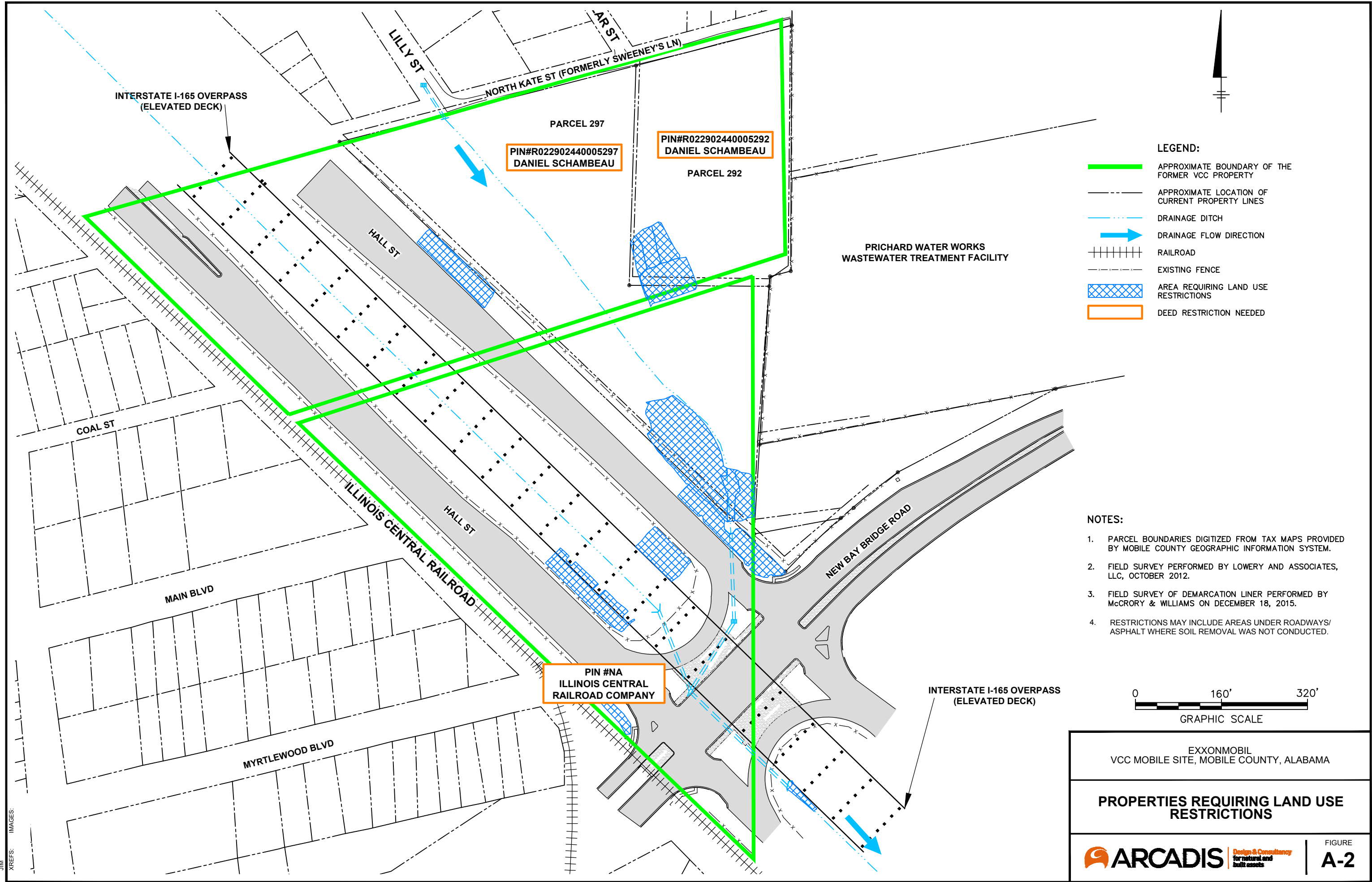
Figure  
T-1

CITY: SYRACUSE, NY DIV/GROUP: EBC-IMDV DB: L. POSENAUER PM/JTM: M. PELTON LVR: (OPTIONAL) OFF-REF\*  
C:\Users\lposenaue\BIM 360\Arcadis\ANA - EXXON MOBIL\Project Files\VCC Birmingham T&M 2020\3004150801-DWG\BRMGHM\_A-1\_PROPR REQ LUC.dwg LAYOUT: A-1 SAVED: 3/13/2020 2:11 PM ACADVER: 23.1S (LMS TECH) PAGES: 1 OF 1 PLOTSTYLETABLE: PLT\FULL.CTB  
PLOTTED: 3/13/2020 2:21 PM BY: POSENAUER, LISA  
XREFS: BRMGHM\_XBASE





CITY: SYRACUSE, NY DIV: GROUP: EBC-IMDV DE: L. POSENAUER, PM (Resd) TM: J. RODDY  
C:\Users\jrichard\BIM\_360\Acad\Alabama - EXXON MOBIL\Project Files\VCC Mobile - JUP 2017\2020\30007437\01-DWG\PRUR 2020 VCC-MOBILE FIG. A-2.dwg LAYOUT: A-2 SAVED: 3/12/2020 10:59 AM PAGES: 1 OF 1 PLOT: 3/12/2020 11:00 AM BY: RICHARDS, JIM



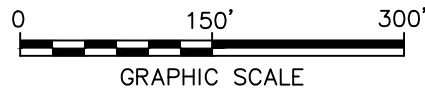


**LEGEND:**

- PROPERTY LINE
- x - x - FENCE LINE
- ~ ~ ~ TREE LINE
- LIMITS OF DEMARCATION LINER
- FORMER VCC BOUNDARY
- DEED RESTRICTIONS NEEDED

**NOTES:**

1. SURVEY PROVIDED BY LOWERY & ASSOCIATES LAND SURVEYING, LLC OF CARTERSVILLE, GEORGIA (JULY 2013).
2. SOIL BELOW THE DEMARCATION LINER CONTAINS ARSENIC AND/OR LEAD ABOVE SITE-SPECIFIC ACTION LEVELS.
3. Restrictions may include areas under buildings where soil removal was not conducted.



EXXON MOBIL  
VCC-WYLAM - BIRMINGHAM, ALABAMA

**PROPERTIES REQUIRING LAND USE RESTRICTIONS**



FIGURE  
**A-3**

